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THE HIGHER EDUCATION DESKBOOK

1981-82

Editorial Projects in Education

The Higher Education Deskbook 1981-82

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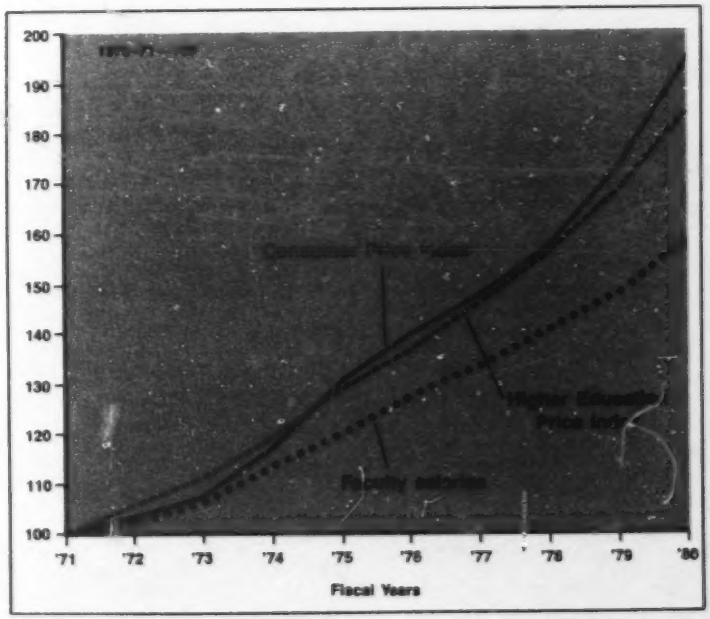
Price Increases Paid by Colleges and Universities

Index: 1967 =100	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80
Personnel compensation								
Professional salaries	138.4	145.4	153.6	161.6	169.2	177.9	188.7	202.1
Faculty	137.4	144.4	152.3	161.1	168.7	177.6	187.9	201.3
Administration and institutional services	143.3†	150.8	160.7†	163.8	171.4†	179.5	192.0	206.5
Library	142.2†	149.4	157.1†	165.0	171.1†	177.7	192.0	206.8
Non-professional salaries and wages	144.3	153.4	165.7	179.1	191.5	206.5	222.8	243.2
Crafts	146.6	157.9	172.1†	186.2†	200.5	216.3	234.7	253.9
Clerical	140.6	149.6	164.0	176.0	187.6	201.7	216.6	237.4
Operators and laborers	147.2	157.7	171.9†	186.0†	199.8	214.6	231.6	255.0
Fringe benefits	197.7	222.0	241.0	266.7	295.0	324.3	367.1	409.4
Total personnel compensation	**146.0**	**155.3**	**165.5**	**176.4**	**187.1**	**199.2**	**214.6**	**232.4**
Contracted services, supplies, and equipment								
Services	131.9	138.1	150.2	157.4	166.7	176.1	186.8	201.8
Data processing	116.4	119.0	124.2	131.5	134.8	138.6	144.3	153.4
Communication	120.8	126.1	132.2	140.5	148.0	149.9	155.3	155.8
Transportation	146.3	148.2	153.3	170.8	181.2	188.5	193.8	224.8
Printing and duplicating	132.1	140.1	159.9	163.7	174.6	187.2	202.8	224.6
Supplies and materials	116.3	131.6	164.2	171.8	180.6	188.3	202.7	239.3
Equipment	123.1	130.6	154.1	163.2	171.5	183.3	197.7	215.9
Books and periodicals	177.0	195.3	219.5	251.8	267.7	286.4	316.2	363.9
Hardcover books	173.3	179.8	207.6	238.6	253.5	265.7	296.2	336.0
U. S. periodicals	177.8	217.7	238.0	268.2	288.2	310.9	345.2	394.2
Utilities	129.0	158.3	202.9	219.1	258.1	292.5	320.8	409.0
Total contracted services, supplies, and equipment	**131.5**	**144.5**	**168.8**	**180.2**	**194.8**	**209.3**	**225.9**	**260.9**
Higher-Education Price Index	**143.0**	**153.1**	**166.2**	**177.2**	**188.7**	**201.3**	**216.9**	**238.3**

† Estimated.

SOURCE: D. KENT HALSTEAD, NATIONAL INSTITUTE FOR EDUCATION

Higher Education Price Index



SOURCE: D. KENT HALSTEAD

CHART BY PETER H. STAFFORD

One-Year Increases In Higher-Education Price Index

1965	4.3%	1973	5.3%
1966	5.0%	1974	7.1%
1967	5.3%	1975	8.6%
1968	6.0%	1976	6.6%
1969	6.8%	1977	6.5%
1970	6.7%	1978	6.7%
1971	6.4%	1979	7.7%
1972	5.6%	1980	9.9%

College and University Finances

	Fiscal years			Per cent change	
	1977	1978	1979	'77 to '78	'78 to '79
Private institutions					
Total current funds revenues	$14,260,924,000	$15,587,514,000	$17,317,728,000	+ 9.3%	+11.1%
From student tuition and fees	5,233,919,000	5,791,516,000	6,359,085,000	+10.7%	+ 9.8%
(Per cent from tuition and fees)	(36.7%)	(37.2%)	(36.7%)		
Total current funds expenditures	$14,043,273,000	$15,341,979,000	$16,952,887,000	+ 9.2%	+10.5%
Educational and general	10,228,753,000	11,199,292,000	12,330,420,000	+ 9.5%	+10.1%
Scholarships and fellowships	920,599,000	1,011,423,000	1,095,371,000	+ 9.9%	+ 8.3%
Market value of endowment at end of fiscal year	$13,178,141,000	$13,574,098,000	$14,755,045,000	+ 3.0%	+ 8.7%
Public institutions					
Total current funds revenues	$29,454,639,000	$31,750,739,000	$34,544,804,000	+ 7.8%	+ 8.8%
From student tuition and fees	3,867,083,000	4,156,693,000	4,422,721,000	+ 7.5%	+ 6.4%
(Per cent from tuition and fees)	(13.1%)	(13.1%)	(12.8%)		
Total current funds expenditures	$28,831,177,000	$30,939,906,000	$33,724,498,000	+ 7.3%	+ 9.0%
Educational and general	23,187,838,000	25,358,365,000	27,539,184,000	+ 9.4%	+ 8.6%
Scholarships and fellowships	872,846,000	854,850,000	870,237,000	− 2.1%	+ 1.8%
Market value of endowment at end of fiscal year	$3,138,161,000	$3,278,586,000	$3,540,873,000	+ 4.5%	+ 8.0%
Universities					
Total current funds revenues	$19,035,330,000	$20,617,915,000	$22,865,268,000	+ 8.3%	+10.9%
From student tuition and fees	3,419,749,000	3,743,508,000	4,110,372,000	+ 9.5%	+ 9.8%
(Per cent from tuition and fees)	(18.0%)	(18.2%)	(18.0%)		
Total current funds expenditures	$18,759,368,000	$20,168,061,000	$22,285,707,000	+ 7.5%	+10.5%
Educational and general	14,170,192,000	15,409,066,000	16,980,791,000	+ 8.7%	+10.2%
Scholarships and fellowships	763,409,000	822,577,000	860,416,000	+ 7.8%	+ 4.6%
Market value of endowment at end of fiscal year	$9,624,893,000	$9,937,028,000	$10,771,738,000	+ 3.2%	+ 8.4%
Four-year institutions					
Total current funds revenues	$18,875,964,000	$20,374,993,000	$22,249,492,000	+ 7.9%	+ 9.2%
From student tuition and fees	4,630,892,000	5,087,489,000	5,499,576,000	+ 9.9%	+ 8.1%
(Per cent from tuition and fees)	(24.5%)	(25.0%)	(24.7%)		
Total current funds expenditures	$18,516,528,000	$19,994,011,000	$21,773,478,000	+ 8.0%	+ 8.9%
Educational and general	14,028,544,000	15,440,985,000	16,784,350,000	+10.1%	+ 8.7%
Scholarships and fellowships	864,905,000	901,561,000	957,457,000	+ 4.2%	+ 6.2%
Market value of endowment at end of fiscal year	$6,533,113,000	$6,752,194,000	$7,359,819,000	+ 3.4%	+ 9.0%
Two-year institutions					
Total current funds revenues	$5,804,270,000	$6,345,345,000	$6,757,792,000	+ 9.3%	+ 6.5%
From student tuition and fees	1,050,360,000	1,117,212,000	1,174,190,000	+ 6.4%	+ 5.1%
(Per cent from tuition and fees)	(18.1%)	(17.6%)	(17.4%)		
Total current funds expenditures	$5,598,554,000	$6,119,812,000	$6,548,199,000	+ 9.3%	+ 7.0%
Educational and general	5,217,855,000	5,707,606,000	6,095,723,000	+ 9.4%	+ 6.8%
Scholarships and fellowships	165,130,000	142,136,000	152,796,000	−13.9%	+ 7.5%

Two-year institutions (cont.)					
Market value of endowment at end of fiscal year	$158,297,000	$163,463,000	$166,569,000	+ 3.3%	+ 1.9%
All institutions					
Total current funds revenues	$43,715,563,000	$47,338,253,000	$51,882,725,000	+ 8.3%	+ 9.6%
From student tuition and fees	9,101,001,000	9,948,209,000	10,793,807,000	+ 9.3%	+ 8.5%
(Per cent from tuition and fees)	(20.8%)	(21.0%)	(20.8%)		
Total current funds expenditures	$42,874,450,000	$46,281,884,000	$50,678,663,000	+ 7.9%	+ 9.5%
Educational and general	33,416,591,000	36,557,657,000	39,884,404,000	+ 9.4%	+ 9.1%
Scholarships and fellowships	1,793,445,000	1,866,273,000	1,970,784,000	+ 4.1%	+ 5.6%
Market value of endowment at end of fiscal year	$16,316,302,000	$16,852,684,000	$18,302,015,000	+ 3.3%	+ 8.6%

SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS

Financial Health Report on Private Higher Education

		1978-79 trend in financial condition		
	Condition in 1977-78	Gaining ground	Holding steady	Losing ground
Research universities				
Strong	100%	0%	88%	13%
Middle	0%	0%	0%	0%
Weak	0%	0%	0%	0%
Universities granting doctoral degrees				
Strong	75%	13%	63%	0%
Middle	25%	0%	13%	13%
Weak	0%	0%	0%	0%
Comprehensive universities and colleges				
Strong	16%	0%	11%	5%
Middle	58%	16%	26%	5%
Weak	26%	0%	11%	26%
2-year colleges				
Strong	19%	5%	8%	0%
Middle	30%	22%	8%	11%
Weak	51%	11%	14%	22%
All types of institutions combined				
Strong	24%	4%	15%	2%
Middle	36%	19%	13%	9%
Weak	40%	7%	12%	21%

SOURCE: "PUBLIC HIGHER EDUCATION" BY W. JOHN MINTER AND HOWARD R. BOWEN

Comparative Financial Statistics for 2-Year Institutions, 1979 - 80

	Enrollment under 5,000		Enrollment 5,000 to 15,000		Enrollment over 15,000	
	Median per student [1]	Per cent of total	Median per student [1]	Per cent of total	Median per student [1]	Per cent of total
Expenditures						
Total educational and general	$2,732	100.0%	$2,675	100%	$2,557	100%
Academic	1,677	60.8%	1,623	61.8%	1,544	63.5%
Instruction and research	1,383	49.1%	1,313	51.3%	1,296	53.1%
Credit instruction [2]	1,307	47.2%	1,196	47.1%	1,183	48.2%
Noncredit instruction [3]	—	1.0%	—	2.3%	—	2.5%
Public service	0	0.0%	4	0.2%	5	0.3%
Academic support	239	8.8%	219	8.0%	235	8.9%
Support services	974	36.6%	934	36.3%	908	34.8%
Student services	231	8.5%	217	8.4%	223	8.3%
Institutional support	405	15.5%	375	14.7%	364	14.5%
Plant operation and maintenance	330	11.9%	300	11.7%	299	11.2%
Without utilities	216	7.7%	210	7.8%	202	7.7%
Utilities only	109	3.8%	94	3.5%	88	3.2%
Scholarships and fellowships	42	1.6%	22	0.8%	30	1.2%
Revenues						
Total revenues (current fund, excluding auxiliaries)	$2,949	100.0%	$2,851	100.0%	$2,684	100.0%
Tuition and fees	435	14.2%	415	15.1%	513	17.6%
For credit [2]	413	13.9%	382	14.8%	485	14.4%
For noncredit instruction	—	0.2%	—	0.7%	—	0.9%
Appropriations	1,958	71.2%	1,990	71.8%	1,856	69.4%
Federal	0	0.0%	0	0.0%	0	0.0%
State	1,675	59.0%	1,580	60.9%	1,420	56.2%
Local	0	0.1%	333	11.7%	437	17.5%
State and local combined	1,909	69.5%	1,958	70.9%	1,842	68.2%
Gifts, grants, and contracts	233	9.3%	212	7.5%	185	7.4%
Federal	134	5.6%	126	4.8%	106	4.4%
State and local	27	1.0%	34	1.2%	30	1.1%
Private	1	0.0%	1	0.0%	1	0.0%
Other revenues (excluding auxiliaries)	69	2.3%	76	2.7%	86	3.0%

[1] Based on number of full-time equivalent students enrolled for credit.
[2] Median per student based on full-time equivalent students enrolled for credit.
[3] Median per student based on full-time equivalent students not enrolled for credit.

finances

	All institutions, 1979-80		All institutions, 1978-79	
	Median per student [1]	Per cent of total	Median per student [1]	Per cent of total
Expenditures				
Total educational and general	$2,676	100.0%	$2,528	100.0%
Academic	1,623	61.7%	1,528	61.2%
Instruction and research	1,342	50.9%	1,302	51.8%
Credit instruction [2]	1,231	47.5%	1,222	48.0%
Noncredit instruction [3]	—	1.6%	—	1.9%
Public service	4	0.2%	1	0.0%
Academic support	232	8.5%	212	8.1%
Support services	954	36.3%	965	36.5%
Student services	224	8.4%	219	8.6%
Institutional support	385	14.9%	374	14.8%
Plant operation and maintenance	309	11.7%	306	12.0%
Without utilities	210	7.7%	213	8.2%
Utilities only	98	3.5%	100	3.6%
Scholarships and fellowships	31	1.2%	29	1.2%
Revenues				
Total revenues (current fund, excluding auxiliaries)	$2,851	100.0%	$2,635	100.0%
Tuition and fees	440	15.1%	439	16.5%
For credit [2]	403	14.2%	403	15.2%
For noncredit instruction	—	0.4%	—	0.8%
Appropriations	1,943	71.3%	1,787	69.4%
Federal	0	0.0%	0	0.0%
State	1,568	58.5%	1,409	53.3%
Local	290	9.9%	344	11.7%
State and local combined	1,902	69.7%	1,786	68.4%
Gifts, grants, and contracts	190	8.0%	168	7.1%
Federal	128	4.8%	114	4.5%
State and local	29	1.1%	28	1.0%
Private	1	0.0%	3	0.1%
Other revenues (excluding auxiliaries)	78	2.7%	75	2.7%

SOURCE: NATIONAL ASSOCIATION OF COLLEGE AND UNIVERSITY BUSINESS OFFICERS

The Common Fund Portfolio, 1980

Following is a list of the equity securities held by the Common Fund at the end of the fiscal 1979 and at the end of fiscal 1980.

	June 29, 1979		June 30, 1980	
	Shares	Market value	Shares	Market value
Automotive				
Donaldson	15,000	$ 318,750	15,000	$ 256,875
Maremont	46,000	1,880,250		
Purolator	18,000	526,500	18,000	414,000
Subtotals		**$2,725,500**		**$ 670,875**
Business machines & services				
Burroughs	11,000	$ 772,750	11,600	$ 745,300
Centronics Data Computer	35,000	1,596,875	40,000	1,810,000
Control Data	21,400	839,950		
Digital Equipment	6,000	334,500	10,300	568,750
International Business Machines	41,188	3,022,170	42,286	2,484,303
Moore	27,000	877,500	27,000	850,500
New England Business Services			14,500	348,000
Nielsen (A.C.) Class A	18,000	427,500	18,000	490,500
Servicemaster Industries	40,000	1,130,000	45,000	1,237,500
Xerox	7,845	475,603	8,295	445,856
Subtotals		**$9,476,848**		**$8,840,709**
Chemicals				
Dow Chemical	22,000	$ 569,250	23,220	$ 780,773
Engelhard Minerals & Chemicals	15,000	553,125	45,000	1,580,625
Conv. deb. 5.25% 5/25/97	6,000	729,000		
Loctite	15,000	382,500	15,000	461,250
Lubrizol	9,000	420,750	9,000	587,250
Mallinckrodt	20,000	575,000	24,000	816,000
Petrolite	11,000	530,750		
Sealed Air			10,000	177,500
Subtotals		**$3,760,375**		**$5,061,523**
Construction materials & maintenance				
Big Three Industries	8,000	$ 308,000	11,550	$ 554,400
Construction materials & maintenance (Continued)				
Caterpillar Tractor	20,000	1,102,500	20,000	1,055,000
Centex			5,000	192,500
Cummins Engine	11,500	388,125		
Dresser Industries	10,000	453,750	10,000	621,250
Georgia-Pacific	21,503	583,269	21,665	595,788
Masco	25,000	618,750		
Tennant	19,000	532,000	19,000	551,000
Trus Joist			7,000	115,500
Weyerhauser	6,575	195,606	4,675	152,522
Subtotals		**$4,182,000**		**$3,837,959**
Consumer goods & services				
American Express	8,000	$ 273,000	13,600	$ 474,300
Black & Decker Manufacturing	25,000	559,375	25,500	446,250
Cross (A.T.), Class A	18,400	535,900	18,400	676,200
Gamex Industries	23,334	189,589	24,821	176,850
McDonald's	22,000	1,001,000	22,000	1,061,500
Minnesota Mining & Manufacturing	8,000	451,000	8,000	425,000
Procter & Gamble	4,100	315,188	4,100	302,375
Revlon	7,000	324,625	7,300	325,763
Reynolds (R.J.) Industries			22,000	855,250
Rubbermaid	20,000	495,000		
Snap-On-Tools			10,000	216,250
Sunbeam	30,000	648,750	35,000	595,000
Warner Communications	13,333.33	448,333		
Subtotals		**$5,052,171**		**$5,554,737**
Drugs & medical				
American Home Products	13,500	$ 366,188	14,700	$ 418,950
Bausch & Lomb	8,000	299,000		
Baxter Travenol Laboratories	12,000	508,500	15,000	667,500
Johnson & Johnson	15,000	1,076,250	8,100	635,850
Lilly (Eli)	27,500	1,478,125	27,800	1,362,200
Merck	11,500	776,250	12,100	856,075
Physio Control	10,000	307,500		

finances

	June 29, 1979		June 30, 1980	
	Shares	Market value	Shares	Market value
Drugs & medical (Continued)				
Physio Control	10,000	307,500		
Sigma-Aldrich	10,000	352,500	10,000	442,500
Smithkline			10,000	583,750
Subtotals		**$5,164,313**		**$4,966,825**
Electrical & electronic				
AMP	15,000	$ 540,000	25,000	$ 946,875
Analog Devices			21,250	467,500
Automatic Switch	10,000	402,500	10,000	467,500
Emerson Electric	14,000	504,000	14,000	511,000
Grainger W W			15,000	450,000
Intel			11,000	723,250
Raychem	6,000	516,000	12,000	666,000
Sensormatic Electrs			13,000	442,000
Sun Electric	15,900	409,425	56,000	1,260,000
Tektronix	5,000	260,000	8,000	398,000
Texas Instruments	5,000	450,625	6,000	552,000
Subtotals		**$3,082,550**		**$6,884,125**
Financial–banking				
Citicorp	18,000	$ 452,250	18,300	$ 404,888
First International Bancshares	15,000	532,500	15,000	663,750
Imperial Corporation of America	43,000	1,075,000	43,000	1,010,500
Manufacturers Hanover	15,000	532,500	15,000	496,875
Subtotals		**$2,592,250**		**$2,576,013**
Financial–insurance and other				
Aetna Life & Casualty	21,000	$ 679,875	21,000	$ 792,750
Capital Holding	27,000	624,375		
Connecticut General Insurance	19,250	750,750	21,250	818,125
Farmers Group			24,000	669,000
General Reinsurance	16,000	1,320,000	10,000	920,000
Jefferson-Pilot	10,000	365,000		
M.G.I.C. Investment			40,000	1,050,000
Federal National Mortgage Association	35,000	$ 647,500		
Subtotals		**$4,387,500**		**$4,249,875**

	June 29, 1979		June 30, 1980	
	Shares	Market value	Shares	Market value
Food Products				
Coca-Cola	6,000	$ 229,500	7,400	$ 244,200
Gerber Products	17,000	485,375	45,000	1,046,250
McCormick	40,000	630,000	40,000	990,000
Royal Crown	30,000	431,250	30,000	393,750
Schlitz (J.) Brewing			48,200	379,575
Subtotals		**$1,756,125**		**$3,053,775**
Oils & oil services				
Atlantic Richfield	17,000	$1,147,500	17,920	$1,675,520
Baker International			15,000	468,750
Crystal Oil	30,000	1,042,500	90,000	3,532,500
Energy Reserves Group	50,000	318,750		
Exxon	17,522	943,998	18,482	1,224,433
Getty Oil			10,000	787,500
Halliburton	15,340	1,027,780	15,340	1,679,730
Hughes Tool	10,000	523,750	15,000	941,250
Marathon Oil			6,000	343,500
Mesa Petroleum	25,000	1,590,625	56,000	2,142,000
Schlumberger	29,175	2,158,950	29,805	3,442,478
Standard Oil of Indiana	8,100	532,575		
UNC Resources	20,000	455,000		
Subtotals		**$9,741,428**		**$16,237,860**
Photographic products				
Eastman Kodak	5,650	$ 322,756		
Subtotals		**$ 322,756**		
Pollution controls				
Peabody International	15,907	$ 357,908	33,000	$ 738,375
Waste Management	33,000	1,060,125	33,000	1,773,750
Subtotals		**$1,418,033**		**$2,512,125**
Printing & publishing				
Compugraphic			10,000	$ 175,000
De Luxe Check Printers	15,000	$ 472,500		
Donnelley (R.R.) & Sons	7,000	194,250	20,000	590,000
Dow Jones			15,000	665,625
Time	8,500	337,875		

	June 29, 1979		June 30, 1980	
	Shares	Market value	Shares	Market value
Printing & publishing (Continued)				
Wallace Business Forms	18,000	456,750	18,000	573,750
Subtotals		**$1,461,375**		**$2,004,375**
Special products				
Keystone International			12,500	$ 306,250
Millipore	30,000	$ 847,500	30,000	922,500
Waters Associates	13,500	324,000		
Subtotals		**$1,171,500**		**$1,228,750**
Stores				
Standard Brands Paint	10,000	$ 223,750		
Subtotals		**$ 223,750**		
Telephone				
American Telephone and Telegraph	2,043	$ 118,239		
Subtotals		**$ 118,239**		
Transportation				
Boeing			15,000	$ 525,000
Braniff International	50,000	$ 618,750		
Federal Express			16,400	754,400
Greyhound			80,000	1,250,000
Harper Group			1,500	69,750
Tiger International	30,000	675,000	30,000	667,500
Subtotals		**$1,293,750**		**$3,266,650**
Total stock investment		**$58,120,050**		**$70,945,975**

SOURCE: THE COMMON FUND

Endowment Funds of 176 Institutions Ranked by 1980 Market Value

1980 Rank	Institution	Market value June 30, 1979	Market value June 30, 1980
1.	Harvard University	$1,457,690,000	$1,584,580,000
2.	University of Texas	1,054,480,000	1,261,320,000
3.	Yale University	577,600,000	668,800,000
4.	Stanford University †	not reported	557,740,000
5.	Columbia University	504,000,000	553,000,000
6.	Princeton University	473,928,000	547,750,000
7.	Massachusetts Institute of Technology	374,373,000	421,258,000
8.	University of Chicago	311,400,000	342,300,000
9.	Rice University	270,573,000	329,035,000
10.	Cornell University	288,000,000	328,696,000
11.	New York University	272,606,000	281,473,000
12.	Northwestern University	256,544,000	275,238,000
13.	Emory University	not reported	265,818,000
14.	Washington University	220,923,000	238,613,000
15.	Rockefeller University	201,661,000	228,563,000
16.	University of Pennsylvania	168,025,000	224,510,000
17.	Johns Hopkins University	164,812,000	198,063,000
18.	Dartmouth College	173,642,000	197,609,000
19.	California Institute of Technology	164,051,000	187,632,000
20.	University of Notre Dame	137,526,000	172,222,000
21.	University of Southern California	130,053,000	166,610,000
22.	Vanderbilt University	not reported	154,493,000
23.	University of Virginia	117,746,000	152,311,000
24.	McGill University	not reported	145,200,000
25.	Duke University	122,880,000	135,082,000
26.	Wellesley College	126,260,000	131,953,000
27.	University of Delaware	127,859,000	131,915,000
28.	Case Western Reserve University	118,731,000	125,207,000
29.	Brown University	106,522,000	123,356,000
30.	Carnegie-Mellon University	112,787,000	119,195,000
31.	Wesleyan University	106,662,000	116,804,000
32.	Smith College	91,995,000	108,614,000
33.	University of Michigan	100,457,000	106,128,000
34.	University of Minnesota	95,151,000	105,986,000
35.	University of Pittsburgh	91,809,000	103,937,000
36.	Southern Methodist University	78,628,000	101,552,000
37.	Williams College	84,703,000	96,805,000
38.	Rensselaer Polytechnic Institute	87,317,000	93,404,000
39.	Oberlin College	85,478,000	93,064,000
40.	Swarthmore College	75,583,000	91,016,000
41.	University of Cincinnati	88,016,000	90,121,000
42.	Berea College	76,633,000	86,536,000
43.	Vassar College	74,832,000	86,445,000
44.	Amherst College	77,321,000	83,975,000
45.	University of Richmond	71,249,000	77,536,000
46.	Ohio State University	67,681,000	76,342,000
47.	Brandeis University	59,632,000	67,009,000
48.	Georgetown University	40,347,000	66,195,000
49.	Wake Forest University	56,983,000	65,526,000
50.	Loyola University	not reported	65,156,000
51.	Lehigh University	55,679,000	61,924,000
52.	Middlebury College	48,415,000	60,019,000
53.	Lafayette College	52,859,000	59,952,000
54.	Rochester Institute of Technology	57,795,000	59,459,000
55.	Pomona College	not reported	58,913,000
56.	Mount Holyoke College	52,532,000	58,203,000
57.	State U. of New York, Buffalo	53,401,000	57,613,000
58.	Carleton College	48,889,000	53,970,000
59.	Syracuse University	49,380,000	53,400,000
60.	Thomas Jefferson University	not reported	52,825,000
61.	Bowdoin College	not reported	46,507,000
62.	Boston University	37,851,000	46,171,000
63.	Bryn Mawr College ‡	42,999,000	45,336,000
64.	Earlham College	not reported	43,890,000
65.	Grinnell College	not reported	43,332,000
66.	Trinity College (Conn.)	38,931,000	42,992,000
67.	Hamilton College	35,744,000	41,241,000
68.	Academy of the New Church	34,870,000	40,901,000
69.	Cooper Union	37,561,000	39,750,000
70.	University of Miami	35,845,000	38,546,000
71.	Worcester Polytechnic Institute	not reported	38,085,000
72.	Occidental College	29,095,000	37,743,000
73.	University of Wisconsin System	32,575,000	37,453,000
74.	Bucknell University	32,657,000	35,811,000
75.	Agnes Scott College	not reported	35,339,000
76.	Colgate University	not reported	34,904,000
77.	Willamette University ‡	28,533,000	33,807,000
78.	Haverford College	not reported	33,052,000
79.	Rutgers University	30,626,000	32,407,000
80.	Hampton Institute	30,320,000	32,356,000
81.	Colorado College	29,031,000	31,534,000
82.	Baylor College of Medicine	26,172,000	30,787,000
83.	University of Missouri	23,144,000	30,445,000
84.	Drew University	25,538,000	28,265,000
85.	Whitman College	25,545,000	28,262,000
86.	Colby College	23,485,000	26,352,000
87.	Ohio University	16,750,000	25,758,000
88.	University of Vermont	20,707,000	25,665,000
89.	Teachers College, Columbia U. †	24,158,000	25,283,000
90.	Davidson College	not reported	25,263,000

1980 Rank	Institution	Market value June 30, 1979	Market value June 30, 1980
91.	Claremont Men's College	not reported	$25,155,000
92.	Mills College	not reported	24,864,000
93.	University of Denver	$23,090,000	23,946,000
94.	University of Santa Clara	17,806,000	21,641,000
95.	Berry College	not reported	21,156,000
96.	University of Tennessee	17,373,000	20,832,000
97.	College of Wooster	19,808,000	20,229,000
98.	Sweet Briar College	18,520,000	19,912,000
99.	University of Illinois	19,849,000	19,557,000
100.	Simmons College	17,108,000	19,292,000
101.	Rhode Island School of Design	15,522,000	19,135,000
102.	George Washington University	16,409,000	19,064,000
103.	Hendrix College	17,100,000	18,474,000
104.	Denison University	16,518,000	18,095,000
105.	Marquette University	16,587,000	17,588,000
106.	University of Maryland	16,311,000	17,574,000
107.	Cornell College	13,169,000	17,439,000
108.	Dickinson College	17,090,000	17,426,000
109.	Ohio Wesleyan University	15,701,000	17,418,000
110.	Albion College	17,097,000	16,569,000
111.	Wheaton College	13,689,000	16,119,000
112.	University of Wisconsin Foundation	13,673,000	15,737,000
113.	Pennsylvania State University	14,301,000	15,479,000
114.	Oregon State Board of Higher Ed.	12,408,000	15,086,000
115.	Clark University	13,906,000	14,900,000
116.	Pratt Institute †	not reported	14,768,000
117.	Spelman College	12,460,000	14,460,000
118.	Michigan State University	14,172,000	14,231,000
119.	University of Puget Sound	11,359,000	13,707,000
120.	Alma College	12,043,000	13,310,000
121.	Reed College	11,623,000	13,293,000
122.	Furman University	not reported	13,269,000
123.	Kalamazoo College	12,943,000	19,943,000
124.	Franklin and Marshall College	12,928,000	12,883,000
125.	Baldwin-Wallace College	11,920,000	12,740,000
126.	Allegheny College	11,149,000	12,234,000
127.	Indiana University	11,464,000	12,160,000
128.	Drake University ‡	11,256,000	12,086,000
129.	University of Tulsa	9,689,000	11,856,000
130.	Temple University	not reported	11,707,000
131.	University of Arizona	10,309,000	11,607,000
132.	Wittenberg University	not reported	11,420,000
133.	Catholic University of America	not reported	11,415,000
134.	Washburn College	1109,000	11,027,000
135.	Georgia Institute of Technology	not reported	10,758,000
136.	University of Maine	10,050,000	10,489,000
137.	Mercer University	11,265,000	10,272,000
138.	Hollins College	not reported	9,924,000
139.	Connecticut College	12,122,000	9,185,000
140.	University of Dayton	7,613,000	8,997,000
141.	Kenyon College	8,667,000	8,792,000
142.	Muhlenberg College	8,301,000	8,744,000
143.	Hobart and William Smith Colleges ‡	not reported	8,604,000
144.	St. Norbert College	7,919,000	8,099,000
145.	Ohio Northern University	not reported	7,277,000
146.	Alfred University	6,213,000	6,683,000
147.	University of Nebraska	6,022,000	6,669,000
148.	Clarkson College of Technology	not reported	6,324,000
149.	University of Evansville	5,991,000	6,312,000
150.	Doane College	5,254,000	6,096,000
151.	University of Arkansas	5,117,000	5,895,000
152.	Carroll College	5,461,000	5,866,000
153.	American University	4,945,000	5,306,000
154.	Hope College	4,395,000	5,191,000
155.	Virginia Military Institute	5,003,000	5,113,000
156.	Medical College of Pennsylvania	not reported	4,960,000
157.	Washington State University	4,226,000	4,811,000
158.	Oregon State University Foundation	3,431,000	3,882,000
159.	University of Akron	3,537,000	3,580,000
160.	Stephens College	not reported	3,565,000
161.	Phila. C. of Textiles and Science	3,440,000	3,522,000
162.	Chapman College ‡	not reported	2,925,000
163.	Arizona State University	2,684,000	2,815,000
164.	University of Oregon Foundation	1,595,000	2,737,000
165.	University of Tampa	1,617,000	2,286,000
166.	Newberry College	not reported	2,221,000
167.	University of Connecticut	1,679,000	1,778,000
168.	U. of Akron Development Foundation	not reported	1,774,000
169.	Eastern Michigan University	1,419,000	1,637,000
170.	University of Mississippi	1,536,000	1,585,000
171.	Oakland University	1,522,000	1,513,000
172.	Western Michigan University	not reported	1,484,000
173.	Monmouth College	1,360,000	1,398,000
174.	Trinity College (D.C.)	not reported	1,367,000
175.	Westmar College	not reported	817,000
176.	State U. of New York, Binghamton	575,000	570,000

† As of August 31
‡ As of May 31
Note: Table includes only institutions participating in the voluntary comparative-performance study by the National Association of College and University Business Officers.

State Support

175 State Funds for Higher Education, 1980-81
180 Analysis of State Funds for Higher Education
181 Spending by States and Territories for Student Aid in 1980-81

State Funds for Higher Education, 1980-81

Annual Appropriations

	Appropriations 1980-81 (add 000)	2-year change
ALABAMA		
U of Alabama		
Birmingham	$ 68,700	+15%
Tuscaloosa	44,900	+15%
Huntsville	12,000	+15%
Auburn U	68,372	n/c
U of South Alabama	25,738	+15%
Jacksonville St U	12,500	+13%
Alabama A&M U	9,700	+16%
Troy St U	8,900	+12%
Alabama St U	8,350	+13%
U of North Alabama	7,950	+13%
U of Montevallo	6,500	+21%
Livingston U	3,900	+21%
Athens St C	1,620	+ 8%
Aid to jr colleges	44,745	+12%
Aid to voc-tech schs	37,151	+13%
Aid to pvt insts	2,485	0%
Student aid	939	n/c
Other appropriations*	63,049	n/c
Total	**$ 427,499**	**+14%**
ALASKA		
U of Alaska		
Fairbanks	$ 25,544	+16%
Anchorage	11,540	+ 5%
Juneau	4,706	+39%
Aid to comm colleges	21,064	+25%
Student aid	78	n/c
Other appropriations	18,952	+ 2%
Total	**$ 81,884**	**+14%**
ARIZONA		
U of Arizona	$ 124,328	+29%
Arizona St U	80,065	+35%
Northern Arizona U	28,302	+33%
Aid to comm colleges	44,164	n/c
Other appropriations	3,587	n/c
Total	**$ 280,446**	**+29%**
ARKANSAS		
U of Arkansas	$ 119,701	+34%
Arkansas St U	18,616	+33%
U of Central Arkansas	12,592	+49%
Southern Arkansas U	7,406	+32%
Henderson St U	7,176	+25%
Arkansas Tech U	6,368	+48%
Aid to community and jr colleges	13,142	+35%
Student aid	1,565	+23%
Other appropriations	1,001	−18%
ARKANSAS—Continued		
Total	**$ 187,567**	**+34%**
CALIFORNIA		
U of California	$ 1,039,116	+38%
Cal St U & Colls		
San Diego	81,281	n/c
Long Beach	74,153	n/c
San Jose	66,912	n/c
Northridge	64,521	n/c
San Francisco	61,751	n/c
Los Angeles	60,873	n/c
San Luis Obispo	58,492	n/c
Sacramento	57,440	n/c
Fullerton	52,258	n/c
Fresno	50,247	n/c
Pomona	48,087	n/c
Chico	46,068	n/c
Hayward	36,879	n/c
Humboldt	31,002	n/c
Dominguez Hills	22,410	n/c
Sonoma	21,521	n/c
San Bernardino	16,128	n/c
Stanislaus	14,399	n/c
Bakersfield	14,459	n/c
Hastings C of Law	6,800	+59%
Cal Maritime Academy	3,199	+40%
Aid to comm colleges	1,092,215	n/c
Student aid	83,225	n/c
Postsecondary Ed Commission	2,102	+17%
Other appropriations	53,347	n/c
Total	**$ 3,158,885**	**+35%**
COLORADO		
U of Colorado	$ 78,556	+12%
Colorado St U	38,726	+13%
U of Northern Colo	18,240	+19%
Colo Sch of Mines	7,259	+ 2%
U of Southern Colo	6,992	n/c
Ft Lewis C	3,784	+13%
State colleges		
Metropolitan St C	8,793	+ 4%
Western St C	4,538	+20%
State Colleges		
Mesa C	4,301	+20%
Adams St C	3,835	+11%
Central administration	216	+19%
Aid to state comm colls	26,900	n/c
Aid to dist comm colls	7,041	+15%
Occupational ed	18,174	+11%
Student aid	11,291	−28%
Veterans' tuition aid	872	−46%
Other appropriations*	24,466	n/c
Total	**$ 263,984**	**+11%**
CONNECTICUT		
U of Connecticut	$ 05,681	+18%
State colleges		
Central Connecticut	17,747	+16%
Southern Connecticut	17,523	+15%
Western Connecticut	7,735	+26%
Eastern Connecticut	6,485	+34%
Bd for state colleges	877	+61%
Higher Ed Ctr	1,185	+109%
Aid to regional comm colleges	30,758	n/c
Aid to state tech colleges	9,153	n/c
Other appropriations*	53,213	n/c
Total	**$ 250,357**	**+21%**
DELAWARE		
U of Delaware	$ 38,087	+31%
Del Tech and Comm Coll	15,216	+23%
Delaware St C	8,678	+34%
Delaware Inst of Med Ed and Research	1,250	+47%
Delaware Inst Veterinary Med Ed	105	n/c
Other appropriations	475	n/c
Total	**$ 63,811**	**+31%**
FLORIDA		
U of Florida	$ 185,526	+34%
U of South Florida	70,529	+36%
Florida St U	66,347	+38%
Florida International U	28,509	+35%
U of Central Florida	27,076	n/c
Florida Atlantic U	19,619	+36%
Florida A&M U	17,963	+34%
U of West Florida	16,039	+40%
U of North Florida	12,133	+44%
U of Miami Med Sch	6,517	+12%
U of Miami Nurs Prog	326	n/c
Barry C, Social Work	148	n/c
Aid to comm colleges	243,489	+26%
Other appropriations	11,188	+12%
Total	**$ 705,409**	**+32%**
GEORGIA		
U of Georgia	$ 118,841	+23%
Medical C of Georgia	56,409	n/c
Georgia St U	44,415	+18%
Georgia Inst of Tech	36,391	n/c
State colleges		
Georgia Southern C	12,053	+27%
West Georgia C	10,551	+21%
Valdosta St C	7,996	+26%
Columbus C	7,918	+22%
Savannah St C	6,227	+38%

state support

	Appropriations 1980-81 (add 000)	2-year change
GEORGIA—Continued		
Fort Valley St C	5,969	+24%
Augusta C	5,717	+25%
Georgia C	5,676	+25%
Albany St C	5,171	+27%
Armstrong St C	5,072	+30%
Georgia SW C	5,032	+22%
Kennesaw C	4,921	+57%
Southern Tech Inst	3,921	+35%
North Georgia C	3,736	+26%
Aid to state jr colleges	33,638	+21%
Aid to local jr colleges	5,875	+11%
Student aid	693	+16%
Other appropriations	45,741	n/c
Total	**$ 431,963**	**+25%**
HAWAII		
U of Hawaii	$ 121,645	n/c
Other appropriations*	28,447	n/c
Less tuition and other revenue	−14,719	+ 2%
Total	**$ 135,373**	**+19%**
IDAHO		
U of Idaho	$ 36,514	n/c
Boise St U	18,694	+15%
Idaho St U	18,324	+13%
Lewis-Clark St C	3,041	+19%
Aid to jr colleges*	4,506	+21%
Student aid	306	n/c
Other appropriations	12,761	n/c
Total	**$ 94,146**	**+13%**
ILLINOIS		
U of Illinois		
Urbana-Champaign	$ 169,628	+20%
Medical Center	113,806	+40%
Chicago Circle	43,010	− 9%
General university	19,233	+35%
Southern Illinois U	126,935	+17%
Northern Illinois U	58,876	+21%
Illinois St U	$ 47,041	+20%
Western Illinois U	33,480	+16%
Eastern Illinois U	23,641	+26%
Northeastern Illinois U	20,038	+27%
Chicago St U	16,807	+19%
Governors St U	13,181	+20%
Sangamon St U	12,759	+17%
Aid to comm colleges	146,621	+17%
Student aid	85,892	+ 3%
Other appropriations	33,636	+22%
Total	**$ 964,584**	**+18%**
INDIANA		
Indiana U	$ 173,025	+21%
Purdue U	124,668	n/c
Ball St U	46,215	+19%
Indiana St U	$ 41,759	+22%
Indiana Voc-Tech C	18,663	+21%
Vincennes U	7,540	+41%
Student aid	20,356	+1%
Other appropriations	27,213	n/c
Total	**$ 459,639**	**+20%**

	Appropriations 1980-81 (add 000)	2-year change
IOWA		
U of Iowa	$ 128,970	+19%
Iowa St U	94,921	+22%
U of Northern Iowa	31,345	+22%
Des Moines C of Osteo	1,200	0%
Aid to area schools	59,152	+25%
Student aid	15,550	+21%
Other appropriations	1,106	n/c
Total	**$ 332,244**	**+21%**
KANSAS		
U of Kansas	$ 109,290	+19%
Kansas St U	58,571	+15%
Wichita St U	26,068	+18%
Emporia St U	13,130	+13%
Pittsburg St U	12,437	+13%
Fort Hays St U	11,444	+21%
Washburn U of Topeka	2,629	+ 9%
Kansas Tech Inst	1,618	+49%
Aid to jr colleges	18,813	+16%
Other appropriations	5,859	n/c
Total	**$ 259,859**	**+17%**
KENTUCKY		
U of Kentucky	$ 120,549	+14%
U of Louisville	62,592	+18%
Eastern Kentucky U	27,528	+13%
Western Kentucky U	26,801	+11%
Murray St U	20,962	+14%
Morehead St U	16,736	+11%
Northern Kentucky U	13,497	+12%
Kentucky St U	8,687	+16%
Other appropriations	10,220	n/c
Total	**$ 307,572**	**+13%**
LOUISIANA		
Louisiana St U	$ 224,622	+48%
Southern U	30,004	+37%
Bd of Trustees system		
U of SW Louisiana	25,272	+35%
Louisiana Tech U	19,880	+44%
NE Louisiana U	18,699	+33%
SE Louisiana U	14,468	+39%
Northwestern St U	13,978	+31%
Nicholls St U	13,338	+41%
McNeese St U	10,965	+26%
Grambling St U	10,612	+41%
Delgado CC	9,880	+36%
System administration	798	+38%
Aid to pvt colleges	2,600	+44%
Student aid	1,632	+72%
Other appropriations	1,577	n/c
Total	**$ 398,325**	**+43%**
MAINE		
U of Maine	$ 49,312	+28%
Maine Maritime Acad	2,398	+21%
Vocational education	8,078	n/c
Student aid	2,813	+32%
Other appropriations	27	+ 8%
Total	**$ 62,628**	**+28%**

	Appropriations 1980-81 (add 000)	2-year change
MARYLAND		
U of Maryland	$ 164,734	+22%
State colleges		
Towson	19,395	+29%
Frostburg	7,936	+31%
Salisbury	6,776	+30%
U of Baltimore	6,053	+46%
Bowie	5,961	+24%
Coppin	5,270	+22%
Saint Mary's C of Md	3,426	+23%
Morgan	13,001	+23%
Trustees	4,527	− 1%
Aid to comm colleges	49,499	+ 4%
Aid to pvt colleges	9,980	+54%
Student aid	7,516	+29%
Other appropriations*	63,627	+60%
Total	**$ 367,701**	**+26%**
MASSACHUSETTS		
U of Massachusetts	$ 127,256	n/c
U of Lowell	22,259	+22%
SE Massachusetts U	$ 14,933	+20%
State colleges		
Salem	11,711	+23%
Boston	11,127	+11%
Bridgewater	10,781	+29%
Fitchburg	9,382	+25%
Worcester	7,190	+19%
Westfield	7,150	+30%
Framingham	7,095	+30%
North Adams	5,229	+29%
Mass Maritime Acad	4,544	+41%
Mass C of Art	3,422	+26%
Board of trustees	480	−51%
Aid to comm colleges	61,869	+24%
Student aid	14,685	+13%
Other appropriations	3,385	n/c
Total	**$ 322,496**	**+18%**
MICHIGAN		
U of Michigan*	$ 165,946	+10%
Michigan St U*	147,564	n/c
Wayne St U*	99,219	+10%
Western Michigan U*	47,196	+10%
Eastern Michigan U*	35,127	+10%
Central Michigan U*	29,826	+10%
Ferris St C*	22,064	+10%
Michigan Tech U*	21,136	+10%
Northern Michigan U*	21,057	+10%
Oakland U*	19,954	+10%
Grand Valley St C's*	13,401	+10%
Saginaw Valley St C*	6,754	+12%
Lake Superior St C*	5,796	+12%
Aid to comm colleges*	135,992	+13%
Student aid*	36,776	+14%
Other appropriations*	8,590	n/c
Total*	**$ 816,400**	**+11%**
MINNESOTA		
U of Minnesota	$ 224,836	+15%
State universities	78,579	n/c
Aid to area voc-tech insts	91,055	+43%

	Appropriations 1980-81 (add 000)	2-year change
MINNESOTA—Continued		
Aid to comm colleges ..	37,649	+20%
Student aid	38,062	n/c
Other appropriations ...	7,773	n/c
Total	**$ 477,954**	**+22%**
MISSISSIPPI		
U of Mississippi	$ 60,686	+25%
Mississippi St U	54,358	+21%
U of So Mississippi	27,701	n/c
Jackson St U	14,018	+20%
Miss U for Women	8,244	n/c
Delta St U	8,003	+17%
Alcorn St U	7,521	+17%
Miss Valley State U	6,543	+ 9%
Gulf Coast Research Lab	2,594	13%
Vocational education ...	30,631	+26%
Aid to jr colleges	32,579	+12%
Student aid	872	n/c
Other appropriations ...	7,534	n/c
Total	**$ 261,282**	**+19%**
MISSOURI		
U of Missouri	$ 183,721	+23%
SW Missouri St U	23,963	+29%
Central Missouri St U ..	20,053	+23%
SE Missouri St U	17,385	+24%
NE Missouri St U	13,793	+27%
NW Missouri St U	9,866	+11%
Missouri Western St C .	6,928	+19%
Missouri Southern St C .	6,632	+11%
Lincoln U	6,397	+14%
Harris-Stowe C	2,939	+66%
Aid to pub jr colleges ..	33,265	+17%
Student aid	8,543	+14%
Other appropriations* ...	19,767	+61%
Total	**$ 353,252**	**+24%**
MONTANA		
Montana St U	$ 25,885	+24%
U of Montana	18,553	+n/c
Eastern Montana C	7,115	+23%
C of Min Sci & Tech ...	3,900	+30%
Northern Montana C ...	3,229	+15%
Western Montana C	1,861	+ 6%
Aid to comm colleges ..	2,081	+ 4%
Student aid	1,632	+12%
Other appropriations ...	2,247	+ 7%
Total	**$ 66,503**	**+21%**
NEBRASKA		
U of Nebraska	$ 128,183	+19%
Kearney St C	8,018	+17%
Wayne St C	4,581	+19%
Chadron St C	4,461	+18%
Peru St C	2,650	+21%
System office	537	+32%
Aid to tech comm colls .	17,652	+14%
Other appropriations ...	73	+14%
Total	**$ 166,155**	**+18%**
NEVADA		
U of Nevada		

	Appropriations 1980-81 (add 000)	2-year change
NEVADA—Continued		
U of Nevada—Cont.		
Reno	$ 29,287	+20%
U of Nevada		
Las Vegas	16,582	+11%
Aid to comm colleges ..	10,229	+35%
Student aid	100	0%
Other appropriations .	5,909	n/c
Total	**$ 82,107**	**+24%**
NEW HAMPSHIRE		
U of New Hampshire ...	$ 17,879	+ 5%
Keene St C	2,904	+22%
Plymouth St C	2,892	+22%
UNH System Adm	2,049	n/c
Aid to tech colleges	5,750	+16%
Student aid	519	n/c
Other appropriations ...	936	n/c
Total	**$ 32,919**	**+20%**
NEW JERSEY		
Rutgers, the St U	$ 118,572	+15%
NJ C of Med & Dentistry	68,960	+28%
NJ Inst of Tech	15,967	+15%
State colleges		
Montclair	17,764	+14%
Paterson	16,510	+15%
Trenton	15,345	+16%
Kean	14,923	+14%
Glassboro	14,265	+16%
Jersey City	13,424	+22%
Richard Stockton	8,015	+17%
Ramapo	7,639	+15%
Edison C of NJ	1,014	+43%
Aid to county colleges	52,383	+ 8%
Aid to pvt colleges	13,079	+27%
Student aid	48,391	+11%
Other appropriations ...	9,975	n/c
Total*	**$ 434,222**	**+17%**
NEW MEXICO		
U of New Mexico	$ 66,765	n/c
New Mexico St U	42,977	+33%
E New Mexico U	13,249	+23%
NM Highlands U	6,534	+20%
NM Inst of Min & Tech	6,190	+27%
W New Mexico U	3,503	+20%
N New Mexico CC	2,411	+21%
NM Military Inst	474	+115%
Aid to jr colleges	325	+15%
Student aid	385	+28%
Other appropriations ...	503	+13%
Total	**$ 143,316**	**+25%**
NEW YORK		
SUNY centers		
Stony Brook	$ 113,713	+31%
Buffalo	107,134	+19%
Albany	53,792	+16%
Binghamton	35,641	+18%
SUNY medical ctrs	122,761	+22%

	Appropriations 1980-81 (add 000)	2-year change
NEW YORK—Continued		
SUNY colleges		
Buffalo	28,190	+15%
Brockport	26,192	+13%
Oswego	23,510	+14%
New Paltz	18,894	+10%
Oneonta	18,767	+15%
Plattsburgh	17,449	+20%
Cortland	17,104	+14%
Geneseo	17,027	+15%
Potsdam	16,284	+16%
Fredonia	15,155	+15%
Purchase	14,325	+16%
Old Westbury	9,431	+35%
Statutory colleges		
Cornell U	58,212	+22%
Alfred U	3,561	+21%
Specialized colleges		
Environmental Sci & Forestry	11,535	+18%
Empire State	8,502	+27%
C of Tech	7,006	n/c
Maritime	5,757	n/c
Optometry	5,257	+23%
Ag & tech colleges	63,311	+17%
University-wide progs ..	63,742	n/c
Less student fees and other income	−141,843	+53%
Aid to comm colleges ..	176,209	n/c
Aid to pvt colleges	97,117	+ 6%
Student aid	262,800	n/c
Other appropriations* ...	367,826	n/c
Total	**$ 1,644,361**	**+18%**
NORTH CAROLINA		
U of North Carolina		
Chapel Hill	$ 149,736	+29%
Greensboro	25,345	+25%
Charlotte	20,490	+22%
Wilmington	10,661	+34%
Asheville	4,664	+22%
North Carolina St U	98,888	n/c
East Carolina U	44,509	+36%
Appalachian St U	22,911	+24%
NC A&T St U	15,906	+23%
Western Carolina U	15,816	+20%
NC Central U	13,894	+24%
Winston-Salem St U ...	7,086	+25%
Fayetteville St U	6,768	+24%
Pembroke St U	6,003	+16%
Elizabeth City St U	5,649	+17%
NC Sch of the Arts	3,806	+33%
General administration .	32,771	+23%
Veterans' benefits	2,300	+12%
Aid to comm colleges and tech insts	173,442	+24%
Total	**$ 660,845**	**+27%**
OHIO		
Ohio St U	$ 173,600	+23%
U of Cincinnati	69,069	+16%
Kent St U	41,391	+14%

state support

	Appropriations 1980-81 (add 000)	2-year change
OHIO—Continued		
U of Akron	36,369	+24%
Ohio U	34,715	+20%
Bowling Green St U	34,039	+19%
Miami U	29,660	+20%
Cleveland St U	29,372	+16%
U of Toledo	29,002	+17%
Wright St U	26,146	+41%
Youngstown St U	23,042	+17%
Central St U	8,196	+12%
Medical C of Ohio	14,035	+17%
Case Western Res U	6,697	+12%
Northeastern Med C	6,093	+49%
Wright St Medical C	3,495	−36%
C of Podiatric Med	500	n/c
Aid to comm colleges	39,386	+10%
Aid to gen & tech colleges	4,352	+27%
U branches	21,766	+13%
Technical colleges	36,738	+26%
Other appropriations	52,238	+19%
Total	**$ 719,901**	**+19%**
OKLAHOMA		
U of Oklahoma	$ 80,739	n/c
Oklahoma St U	73,043	+36%
Central St U	15,446	+29%
Northeastern St U	9,129	+36%
Southwestern St U	8,569	+32%
Cameron U	7,443	+41%
Southeastern St U	6,159	+38%
East Central St U	6,061	+46%
Oklahoma C of Osteopathic Med	4,001	+29%
Langston U	3,326	+54%
U of Science & Arts	2,900	+29%
Northwestern St U	2,761	+32%
Okla Panhandle St U	2,608	+39%
Aid to jr colleges	47,295	+44%
Student aid	100	n/c
Other appropriations	1,600	n/c
Total	**$ 271,180**	**+38%**
OREGON		
U of Oregon	$ 31,349	+15%
U of Ore Health Sci Ctr	41,240	+32%
Oregon St U	56,601	+26%
Portland St U	23,162	+17%
So Oregon St C	8,148	+21%
Oregon C of Ed	6,885	+24%
Oregon Inst of Tech	6,330	+20%
Eastern Oregon St C	4,363	+20%
Aid to comm colleges	51,222	+17%
Student aid	9,932	+22%
Other appropriations	11,211	n/c
Total	**$ 250,443**	**+23%**
PENNSYLVANIA(1)		
Pennsylvania St U	$ 114,359	+n/c
Temple U	71,472	n/c
U of Pittsburgh	63,975	+ 1%
Lincoln U	3,535	+ 6%
State-owned insts		
Indiana U of Pa	26,562	+20%
West Chester	20,819	+13%
Edinboro	16,594	+ 9%
Slippery Rock	15,179	+ 7%
Bloomsburg	15,052	+20%
California	14,965	+10%
Clarion	14,348	+13%
Millersville	14,491	+ 8%
Shippensburg	14,146	+13%
Kutztown	13,267	+13%
East Stroudsburg	11,853	+23%
Mansfield	10,364	+11%
Cheyney	9,564	+15%
Lock Haven	8,853	+19%
Unallocated	400	+158%
Pvt. state-aided insts		
U of Pennsylvania	18,360	+ 2%
Thomas Jefferson U	5,291	− 4%
Drexel U	3,448	− 4%
Philadelphia C of Osteopathic Med	3,271	− 9%
Hahnemann Med C	3,189	− 8%
Med C of Pa*	2,076	+ 3%
Pa C of Optometry	777	+253%
Pa C Podiatric Med*	636	− 4%
Philadelphia C of Art	419	− 4%
Philadelphia C of Textiles & Science	368	− 4%
Del Valley Sci & Ag	279	− 3%
Pvt. state-aided insts		
Phil C Perf Arts	97	− 4%
Aid to comm colleges*	42,000	+ 8%
Other appropriations*	202,042	n/c
Total	**$ 742,051**	**+ 6%**
RHODE ISLAND		
U of Rhode Island	$ 39,468	+15%
Rhode Island C	$ 18,633	+19%
Rhode Island Jr C	14,050	+19%
Student aid	4,636	+45%
Aid to medical ed	1,167	+17%
Other appropriations	367	+30%
Total	**$ 78,321**	**+18%**
SOUTH CAROLINA		
U of South Carolina	$ 94,993	+35%
Medical U of SC	69,810	+31%
Clemson U	63,159	+23%
C of Charleston	10,860	+25%
South Carolina St C	11,477	+32%
Winthrop C	11,214	+41%
The Citadel	9,052	+32%
Francis Marion C	5,873	+34%
Lander C	3,993	+26%
Board for tech & comp ed	51,471	+31%
Aid to pvt-coll students	11,006	+18%
Other appropriations	1,584	+13%
Total	**$ 344,492**	**+30%**
SOUTH DAKOTA		
South Dakota St U	$ 19,477	+12%
U of South Dakota	16,475	+13%
SD Sch of Mines & Tech	4,501	n/c
Northern St C	3,887	+10%
Black Hills St C	3,230	+19%
Dakota St C	1,763	+ 6%
Student aid	496	+ 2%
Other appropriations	1,365	n/c
Total	**$ 51,194**	**+12%**
TENNESSEE		
U of Tennessee	$ 149,926	n/c
Memphis St U	33,019	+ 9%
East Tennessee St U	21,703	+15%
Middle Tenn St U	17,895	+17%
Austin Peay St U	7,695	+13%
Tennessee St U	15,555	n/c
Tennessee Tech U	13,559	+11%
Aid to state comm colls	32,588	+18%
Aid to state tech insts	12,935	+30%
Student aid	5,514	+32%
Other appropriations*	27,776	n/c
Total	**$ 338,165**	**+21%**
TEXAS		
U of Texas	$ 540,893	n/c
Texas A&M U	163,863	n/c
U of Houston	90,934	n/c
Texas Tech U	82,740	+49%
North Texas St U	35,821	+54%
Southwest Texas St U	28,438	+80%
Texas Woman's U	25,499	+61%
Lamar U	19,835	+50%
East Texas St U	19,256	+21%
Texas St Tech Inst	19,071	+24%
Sam Houston St U	17,716	+62%
Stephen Austin St U	17,478	+43%
Texas Southern U	15,960	+50%
Pan American U	15,017	+49%
Tex C Osteo Med	14,395	+29%
Texas A&I U	12,124	+58%
West Texas St U	10,553	+42%
Angelo St U	8,840	+45%
Midwestern St U	7,443	+44%
Corp Christi St U	5,747	+50%
Sul Ross St U	4,730	+149%
Laredo St U	2,132	+29%
U of So Texas Administration	260	n/c
Texas St U Administration	225	n/c
Aid to jr colleges	252,348	+17%
Other appropriations	53,563	n/c
Total	**$ 1,484,881**	**+41%**
UTAH		
U of Utah	$ 70,815	+19%
Utah St U	37,154	+23%
Weber St C	19,006	+22%
Utah Tech C		

	Appropriations 1980-81 (add 000)	2-year change
UTAH—Continued		
Utah Tech C—Cont.		
Salt Lake	7,458	+23%
Provo	6,547	+27%
Southern Utah St C	5,803	+23%
Snow C	3,183	+27%
Dixie C	3,166	+28%
C of Eastern Utah	2,540	+32%
Student aid	144	+18%
Other appropriations	5,038	n/c
Total	**$ 160,858**	**+22%**
VERMONT		
U of Vermont	$ 17,072	+17%
State colleges		
Castleton	1,747	+11%
Johnson	1,587	+19%
Lyndon	1,435	+18%
Vermont Tech C	1,558	+ 1%
CC of Vermont	552	−12%
Central Office	1,108	n/c
Student aid	5,366	n/c
Other appropriations	34	n/c
Total	**$ 30,459**	**+15%**
VIRGINIA		
Virginia Polytech Inst and St U	$ 88,757	+17%
Va Commonwealth U	85,153	+15%
U of Virginia	80,857	+15%
Old Dominion U	24,363	+31%
C of William and Mary	23,436	n/c
George Mason U	18,271	+44%
Madison U	16,302	+27%
Norfolk St U	13,308	+27%
Radford U	9,853	+30%
Virginia St U	9,096	+22%
Longwood C	5,002	+26%
Mary Washington C	4,963	+30%
Virginia Military Inst	4,644	+17%
Christopher Newport C	4,340	+29%
Aid to comm colleges	98,138	+13%
Student aid	4,469	+ 0%
Other appropriations	16,779	n/c
Total	**$ 509,731**	**+20%**

	Appropriations 1980-81 (add 000)	2-year change
WEST VIRGINIA		
West Virginia U	$ 79,460	n/c
Marshall U	21,123	+24%
Fairmont St C	7,025	+21%
West Virginia Inst of Tech	6,169	+23%
West Virginia St C	6,065	+15%
West Liberty St C	5,535	+15%
Shepherd C	4,446	+22%
Concord C	4,229	+18%
West Virginia C of Grad Studies	3,674	+22%
Glenville St C	3,494	+19%
Bluefield St C	3,316	n/c
West Virginia Sch of Osteopathic Med	3,019	− 2%
Community colleges	8,207	+46%
Student aid	2,600	+ 4%
Other appropriations*	17,957	n/c
Less student fees	−6,500	n/c
Total	**$ 189,819**	**+15%**
WISCONSIN		
U of Wisconsin Madison	$ 160,162	+20%
Milwaukee	52,682	+13%
Oshkosh	21,618	+14%
Eau Claire	20,242	+18%
Whitewater	16,949	+22%
Stevens Point	16,893	+22%
La Crosse	15,660	+20%
Stout	14,249	+17%
Platteville	11,149	+19%
Parkside	10,978	+20%
River Falls	10,963	+19%
Green Bay	10,190	+12%
Superior	7,985	+18%
Extension	25,700	+18%
Two-year centers	15,078	+20%
Med C of Wisconsin	5,807	+32%
Voc-tech adult ed	59,378	+21%
Other appropriations	35,384	+10%
Total	**$ 511,067**	**+18%**

	Appropriations 1980-81 (add 000)	2-year change
WYOMING		
U of Wyoming	$ 49,876	+49%
Aid to comm colleges	20,514	+52%
Other appropriations	114	+25%
Total	**$ 70,504**	**+50%**

Biennial Appropriations

	Appropriations 1980-81 (add 000)	2-year change
NORTH DAKOTA		
North Dakota St U	$ 56,006	+24%
U of North Dakota	52,029	+25%
St Sch of Science	13,906	+22%
Minot St C	9,398	+15%
Dickinson St C	5,870	+25%
Valley City St C	5,070	+12%
Mayville St C	4,415	+26%
Aid to jr colleges	4,427	+22%
Student aid	200	n/c
Total	**$ 151,321**	**+24%**
WASHINGTON		
U of Washington	$ 266,143	+26%
Washington St U	181,095	+42%
W Washington U	51,262	+39%
E Washington U	45,825	+41%
Central Wash U	41,715	+43%
Evergreen St C	19,491	+27%
Aid to comm colleges	329,182	+39%
Student aid	11,252	+ 6%
Other appropriations	9,481	n/c
Total	**$ 935,434**	**+23%**

NOTE: Some totals may be inconsistent with itemized figures because of rounding.

n/c Not comparable.

* Estimated.

(1) After these data were gathered, Pennsylvania was able to restore certain "non-preferred" appropriations to a number of state-supported colleges, thus bringing total state support to levels comparable with preceding years.

Analysis of State Funds for Higher Education

	1980-81 Appropriations (a)		Appropriations per capita (b)		Approp. per $1,000 of personal income (c)		2-year change (d)		10-year change (e)		2-yr. change less inflation (f)		10-yr. change less inflation (g)	
	Amount	Rank	Amount	Rank	Amount	Rank	Per cent	Rank	Per cent	Rank	Per cent	Rank	Per cent	Rank
Alabama	$ 427,499,000	17	$113.43	14	$16.29	5	+14%	44	+471%	1	4%	43	+190%	1
Alaska	81,884,000	40	201.68	1	17.98	1	+14%	43	+382%	2	4%	44	+145%	2
Arizona	280,446,000	26	114.47	13	13.59	13	+29%	10	+236%	17	+ 9%	10	+ 71%	17
Arkansas	187,567,000	33	86.04	33	12.41	20	+34%	6	+242%	16	+13%	6	+ 73%	16
California	3,158,885,000	1	139.19	4	13.85	11	+35%	5	+287%	8	+14%	5	+ 96%	8
Colorado	263,984,000	28	95.23	25	10.44	32	+11%	48	+139%	44	6%	48	+ 21%	44
Connecticut	250,357,000	32	80.37	39	7.93	45	+21%	23	+157%	38	+ 2%	23	+ 31%	38
Delaware	63,811,000	45	109.64	16	11.76	25	+31%	8	+215%	23	+10%	8	+ 60%	23
Florida	705,409,000	8	79.62	40	9.32	39	+32%	7	+192%	28	+11%	7	+ 48%	28
Georgia	431,963,000	16	84.42	37	11.06	28	+25%	15	+191%	29	+ 5%	15	+ 48%	29
Hawaii	135,373,000	38	147.95	3	16.20	6	+19%	32	+145%	40	0%	32	+ 25%	40
Idaho	94,146,000	39	104.03	21	13.74	12	+13%	45	+199%	27	5%	45	+ 52%	27
Illinois	964,584,000	4	85.90	34	8.77	41	+18%	33	+103%	50	0%	33	+ 3%	50
Indiana	459,639,000	14	85.12	35	9.93	35	+20%	28	+164%	36	+ 1%	28	+ 34%	36
Iowa	332,244,000	23	114.49	12	13.05	16	+21%	24	+207%	24	+ 2%	24	+ 56%	24
Kansas	259,859,000	30	109.69	15	11.88	23	+17%	38	+217%	22	1%	38	+ 61%	22
Kentucky	307,572,000	25	87.20	32	11.80	24	+13%	46	+218%	21	5%	46	+ 62%	21
Louisiana	398,325,000	18	99.14	22	13.07	15	+43%	2	+227%	19	+21%	2	+ 66%	19
Maine	62,628,000	46	57.09	48	8.11	44	+28%	11	+125%	47	+ 8%	11	+ 14%	47
Maryland	367,701,000	19	88.65	30	9.50	37	+26%	13	+204%	25	+ 6%	13	+ 54%	25
Massachusetts	322,498,000	24	55.90	49	6.29	48	+18%	36	+178%	33	0%	36	+ 41%	33
Michigan (est.)	816,400,000	5	88.67	29	9.43	38	+11%	49	+138%	45	6%	49	+ 21%	45
Minnesota	477,954,000	12	117.72	7	13.28	14	+22%	22	+233%	18	+ 3%	22	+ 69%	18
Mississippi	261,282,000	29	107.57	19	17.41	2	+19%	30	+262%	11	+ 1%	30	+ 84%	11
Missouri	353,252,000	20	72.58	43	8.60	40	+24%	16	+168%	35	+ 5%	16	+ 36%	35
Montana	66,503,000	44	84.61	36	11.01	30	+21%	25	+128%	46	+ 2%	25	+ 16%	46
Nebraska	166,155,000	35	105.56	20	12.16	22	+18%	34	+243%	14	0%	34	+ 74%	14
Nevada	62,107,000	47	88.47	31	8.41	43	+24%	17	+290%	6	+ 5%	17	+ 98%	6
New Hampshire	32,919,000	49	37.11	50	4.44	50	+20%	29	+201%	26	+ 1%	29	+ 53%	26
New Jersey	434,222,000	15	59.22	47	6.08	49	+17%	39	+181%	32	2%	39	+ 43%	32
New Mexico	143,316,000	37	115.48	10	15.27	9	+25%	14	+244%	13	+ 6%	14	+ 75%	13
New York	1,644,361,000	2	93.18	27	10.23	33	+16%	40	+120%	48	2%	40	+ 12%	48
North Carolina	660,645,000	9	117.85	6	15.96	7	+27%	12	+276%	9	+ 7%	12	+ 91%	9
North Dakota	75,660,000	42	115.16	11	13.99	10	+24%	18	+225%	20	+ 4%	18	+ 65%	20
Ohio	719,901,000	7	67.09	44	7.70	46	+19%	31	+176%	34	+ 1%	31	+ 40%	34
Oklahoma	271,180,000	27	93.77	26	11.02	29	+38%	4	+290%	7	+17%	4	+ 98%	7
Oregon	250,443,000	31	99.11	23	11.09	27	+23%	20	+159%	37	+ 4%	20	+ 32%	37
Pennsylvania	742,051,000	6	63.26	45	7.39	47	+ 6%	50	+140%	43	10%	50	+ 22%	43
Rhode Island	78,321,000	41	84.31	38	9.91	36	+18%	35	+149%	39	0%	35	+ 27%	39
South Carolina	344,492,000	21	117.49	9	16.65	3	+30%	9	+313%	5	+10%	9	+110%	5

(a) Reported by M.M. Chambers of Illinois State University as state tax funds appropriated for operating expenses and scholarship programs for higher education. Not included are appropriations for capital outlay or sums which clearly originated from sources other than state taxes, such as student fees.
Included are appropriations for annual operating expenses even if appropriated to some other agency of the state for ultimate allocation to institutions of higher education.
Pre-allocated state taxes whose proceeds are dedicated to any institution of higher education are included even though the process of periodic appropriation by the legislature may be bypassed.
Also included are state tax funds appropriated for scholarships and statewide governing or coordinating boards.

(b) State appropriations divided by the U.S. Census Bureau's estimates of resident population of the states for 1979.

(c) State appropriations divided by state personal income, in thousands of dollars, reported by the U.S. Commerce Department for 1979.

(d) Increase in appropriations for 1980-81 over those for 1978-79, as reported by M.M. Chambers.

(e) Increase in appropriations for 1980-81 over those for 1970-71, as reported by M.M. Chambers.

(f) Two-year increase in appropriations adjusted for inflation of 18.4 per cent during the two years ending last June, as measured by D. Kent Halstead's Higher Education Price Index of prices paid by colleges and universities for goods and services.

(g) Ten-year increase in appropriations adjusted for inflation of 96.9 per cent during the 10 years ending last June, as measured by the Higher Education Price Index.

	1980-81 Appropriations (a)		Appropriations per capita (b)		Approp. per $1,000 of personal income (c)		2-year change (d)		10-year change (e)		2-yr. change less inflation (f)		10-yr. change less inflation (g)	
	Amount	Rank	Amount	Rank	Amount	Rank	Per cent	Rank	Per cent	Rank	Per cent	Rank	Per cent	Rank
South Dakota ...	51,194,000	48	74.30	42	9.97	34	+ 12%	47	+ 141%	42	5%	47	+ 23%	42
Tennessee	338,165,000	22	77.21	41	10.51	31	+ 21%	26	+ 243%	15	+ 2%	26	+ 74%	15
Texas	1,464,881,000	3	109.48	17	12.46	18	+ 41%	3	+ 326%	4	+ 19%	3	+ 117%	4
Utah	160,856,000	36	117.67	8	16.35	4	+ 22%	21	+ 255%	12	+ 3%	21	+ 80%	12
Vermont	30,459,000	50	61.78	46	8.43	42	+ 15%	41	+ 106%	49	3%	41	+ 5%	49
Virginia	509,731,000	11	98.08	24	11.42	26	+ 20%	27	+ 274%	10	+ 1%	27	+ 90%	10
Washington	467,717,000	13	119.13	5	12.46	19	+ 23%	19	+ 145%	41	+ 4%	19	+ 24%	41
West Virginia ...	169,819,000	34	90.43	28	12.27	21	+ 15%	42	+ 189%	30	3%	42	+ 47%	30
Wisconsin	511,067,000	10	108.28	18	12.76	17	+ 18%	37	+ 182%	31	0%	37	+ 43%	31
Wyoming	70,504,000	43	156.68	2	15.79	8	+ 50%	1	+ 381%	3	+ 27%	1	+ 144%	3
Total U. S.	$20,931,931,000		$95.39		$10.88		+ 23%		+ 200%		+ 4%		+ 53%	

Spending by States and Territories For Student Aid in 1980 - 81

	No. of winners enrolled			Dollars paid out (add 000)			Average award amount			1980-81 Per cent of total	
	1978-79	1979-80	1980-81*	1978-79	1979-80	1980-81*	1978-79	1979-80	1980-81*	Awards	Money
Alabama											
Student assistance	5,628	7,413	4,039	$ 1,937	$ 2,131	$ 1,212	$ 344	$ 288	$ 300	0.31%	0.13%
Alaska											
Scholarships	35	—	—	150	—	—	1,579				
SEIG	—	160	n/a	—	240	n/a		1,500	n/a	0.01%	0.03%
Arizona											
Incentive grants	2,257	2,473	2,473	1,596	1,843	1,793	707	664	725	0.19%	0.20%
Arkansas											
State scholarships	3,200	4,666	8,747	747	1,174	2,374	233	252	271	0.66%	0.26%
California											
State scholarships	39,871	38,895	38,776	55,584	53,283	80,434					
College opportunity grants	19,037	20,042	20,103	19,892	22,709	26,625					
Occupational training grants	2,166	2,435	2,305	3,218	2,318	n/a					
Bilingual teacher development	—	194	180	—	490	496					
Law enforcement personnel dependents	—	10	6	—	12	9					
All **California** programs	61,074	61,576	61,370	78,694	78,812	89,882	1,289	1,280	1,465	4.65%	9.88%
Colorado											
Student grants	2,400	12,437	14,000	7,790	7,715	4,346					
Student incentive grants	12,000	3,000	3,200	1,600	2,040	2,086					
All **Colorado** programs	14,400	15,437	17,200	9,390	9,755	6,432	652	632	374	1.30%	0.71%
Connecticut											
State scholarships	3,273	3,304	3,000	2,462	2,581	2,806					
State supplemental grants	2,184	—	—	1,045	—	—					
Higher education grants	405	—	—	122	—	—					
Private college student contracts	4,425	4,710	4,928	3,979	4,109	4,435					
All **Connecticut** programs	10,287	8,014	7,928	7,609	6,690	7,241	741	835	913	0.60%	0.79%
Delaware											
Postsecondary scholarships	816	921	763	502	456	481	615	495	630	0.08%	0.05%
District of Columbia											
Incentive grants	850	943	n/a	928	1,073	1,111	1,429	1,138	n/a	0.07%	0.12%
Florida											
Student assistance grants	11,071	10,508	14,309	9,186	9,847	11,549	830	937	807	1.08%	1.27%
Georgia											
Incentive grants	11,000	9,694	14,735	3,175	2,841	4,321	289	272	293	1.12%	0.47%
Hawaii											
Incentive grants	4,800	1,923	2,000	496	452	623	103	235	312	0.15%	0.07%
Idaho											
Incentive grants	790	803	n/a	409	507	513	518	631	639	0.06%	0.06%
Illinois											
Monetary awards	91,145	87,986	85,758	79,625	83,052	85,758	874	945	1,000	6.50%	9.40%

state support

	No. of winners enrolled			Dollars paid out (add 000)			Average award amount			1980-81 Per cent of total	
	1978-79	1979-80	1980-81*	1978-79	1979-80	1980-81*	1978-79	1979-80	1980-81*	Awards	Money
Indiana											
State scholarships	15,920	29,184	12,977	13,500	14,896	14,080					
Educational grants	5,500	12,145	14,221	4,000	8,084	5,141					
Freedom-of-choice grants	6,100	7,225	7,312	3,600	4,694	4,250					
All **Indiana** programs	27,520	48,554	34,510	21,100	27,674	23,471	767	570	680	2.61%	2.57%
Iowa											
Scholarships	1,100	1,219	1,275	661	664	700					
Tuition grants	9,700	10,222	10,068	12,180	13,744	14,800					
Vocational-technical tuition grants	2,000	2,549	3,000	700	788	900					
All **Iowa** programs	12,800	13,990	14,343	13,541	15,196	16,400	1,058	1,086	1,143	1.59%	1.82%
Kansas											
Scholarships	1,500	1,857	n/a	740	814	900					
Tuition grants	3,870	4,659	n/a	3,675	3,799	4,125					
All **Kansas** programs	5,370	6,516	n/a	4,415	4,613	5,025	822	708	771	3.48%	3.55%
Kentucky											
State grants	11,118	13,838	14,700	4,193	4,991	6,601	377	361	449	1.11%	0.72%
Louisiana											
Incentive grants	1,679	1,954	n/a	641	823	n/a	382	421	n/a	0.15%	0.09%
Maine											
Incentive scholarships	1,740	5,000	5,000	1,091	1,360	1,236	627	272	247	0.36%	0.14%
Maryland											
General state scholarships	4,800	5,014	5,100	2,316	2,823	3,000					
Senatorial scholarships	7,278	7,219	7,227	2,622	2,633	2,699					
Proprietary school grants	—	138	140	—	96	100					
All **Maryland** programs	12,078	12,371	12,467	4,938	5,552	5,799	409	449	465	0.94%	0.64%
Massachusetts											
General scholarships	25,670	27,000	28,000	15,200	13,500	16,365					
Nursing scholarships	384	—	—	115	—	—					
Consortium scholarships	257	257	250	150	150	150					
All **Massachusetts** programs	26,311	27,257	28,250	15,465	13,650	16,515	588	501	585	2.14%	1.81%
Michigan											
Competitive scholarships	17,665	18,183	22,441	14,965	16,031	17,646					
Tuition grants	13,474	12,573	11,446	13,851	14,500	14,136					
All **Michigan** programs	31,139	30,756	33,887	28,816	30,531	31,782	925	993	938	2.57%	3.48%
Minnesota											
Scholarships	10,914	11,745	14,100	8,642	7,728	11,400					
Grants	19,442	16,220	28,600	13,514	10,672	20,200					
All **Minnesota** programs	30,356	27,965	42,700	22,156	18,400	31,600	730	658	740	3.24%	3.46%
Mississippi											
Incentive grants	1,923	—	—	1,064	—	—					
Student grants	—	1,800	1,800	—	2,516	2,516	553	1,398	1,398	0.14%	0.28%
Missouri											
Student grants	18,367	23,330	13,400	6,465	8,144	10,043	352	349	749	1.02%	1.10%
Montana											
Incentive grants	1,200	917	1,200	351	392	428	293	427	357	0.09%	0.05%
Nebraska											
Incentive grants	1,700	2,010	2,100	856	1,074	1,155	504	534	550	0.16%	0.13%
Nevada											
Incentive grants	326	395	450	172	291	300	528	738	667	0.03%	0.03%
New Hampshire											
Incentive grants	1,000	1,250	1,300	$ 450	$ 526	$ 550	$ 450	$ 421	$ 423	0.10%	0.06%
New Jersey											
Tuition aid	40,593	47,000	50,000	21,423	28,400	31,484					
Garden State scholarships	3,800	4,650	8,200	1,431	2,041	3,600					
Educational opportunity grants	12,379	11,327	11,543	6,878	6,684	6,234					
State scholarships**	7,280	—	—	3,640	—	—					
Tuition aid grants**	1,571	—	—	1,243	—	—					
Public tuition aid grants**	2,175	—	—	435	—	—					
County college incentive grants**	174	—	—	87	—	—					
Incentive grants**	4,616	—	—	1,311	—	—					
Basic scholarships, incentive grants, and tuition aid	—	5,600	5,670	—	4,088	2,392					
All **New Jersey** programs	72,588	68,577	75,413	36,448	41,213	43,710	502	601	580	5.71%	4.79%
New Mexico											
Incentive grants	1,222	1,229	1,500	533	646	771	436	526	514	0.11%	0.08%
New York											
Tuition assistance	351,000	329,000	329,000	232,900	252,200	252,200					
Regents scholarships	72,000	58,000	68,000	20,000	17,000	17,000					
All **New York** programs	423,000	387,000	397,000	252,900	269,200	269,200	598	696	678	30.08%	29.52%
North Carolina											
Incentive grants	5,181	6,072	5,523	2,734	3,287	3,354					
Legislative tuition grants	—	24,764	24,764	—	10,607	12,670					
Brooks Foundation scholarships	—	47	50	—	46	50					
Turrentine Foundation scholarships	—	215	250	—	171	250					
All **North Carolina** programs	5,181	31,098	30,587	2,734	14,111	16,524	528	454	540	2.32%	1.81%

	No. of winners enrolled			Dollars paid out (add 000)			Average award amount			1980-81 Per cent of total	
	1978-79	1979-80	1980-81*	1978-79	1979-80	1980-81*	1978-79	1979-80	1980-81*	Awards	Money
North Dakota											
Student assistance	1,011	1,216	1,250	327	402	500					
Tuition grants	—	n/a	210	—	94	106					
All **North Dakota** programs	1,011	1,416	1,460	327	496	606	323	350	415	0.11%	0.07%
Ohio											
Instructional grants	55,476	56,000	60,800	25,925	28,100	31,490	467	502	518	4.61%	3.45%
Oklahoma											
Tuition aid grants	7,872	10,205	n/a	1,846	2,265	n/a	235	222	n/a	0.77%	0.25%
Oregon											
Need grants	13,146	16,512	15,786	5,990	6,655	6,306					
Cash awards	792	862	760	376	425	385					
All **Oregon** programs	13,938	17,374	16,546	6,366	7,080	6,691	457	408	404	1.25%	0.73%
Pennsylvania											
Higher education grants	114,936	126,373	129,020	71,791	78,100	82,464	625	618	639	9.78%	9.04%
Rhode Island											
Scholarships (old program)**	2,039	—	—	1,529	—	—					
Grants**	1,000	—	—	1,069	—	—					
Scholarships (new program)**	600	—	—	641	—	—					
Nurse training scholarships**	99	—	—	53	—	—					
Business education teachers scholarships**	30	—	—	11	—	—					
War orphans scholarships**	9	—	—	2	—	—					
Rhode Island scholarships and grants	—	4,746	6,300	—	3,792	4,500					
All **Rhode Island** programs	3,777	4,746	6,300	3,305	3,792	4,500	875	799	714	0.48%	0.49%
South Carolina											
Tuition grants	8,335	7,649	8,200	9,839	10,930	11,700	1,180	1,429	1,427	0.62%	1.28%
South Dakota											
Incentive grants	1,400	—	—	265	—	—					
Indian scholarships	—	162	76	—	48	23					
Tuition equilization grants	—	700	400	—	173	100					
All **South Dakota** programs	1,400	862	476	265	221	123	189	256	258	0.04%	0.01%
Tennessee											
Student assistance awards	6,124	11,098	10,399	3,668	5,978	6,572	599	539	632	0.79%	0.72%
Texas											
Tuition equalization grants	20,277	18,299	18,640	10,669	11,881	12,049					
Public education grants	5,162	5,006	7,500	279	1,970	2,955					
All **Texas** programs	25,439	23,305	26,140	10,948	13,851	15,004	430	594	574	1.98%	1.65%
Utah											
Incentive grants	4,138	3,000	n/a	1,858	1,504	n/a	449	501	n/a	0.23%	0.16%
Vermont											
Incentive grants	5,600	6,069	6,930	3,855	4,168	4,900	688	687	707	0.52%	0.54%
Virginia											
Scholarship assistance	8,333	24,118	20,000	3,369	9,698	3,863					
Tuition assistance grants	—	11,039	11,500	—	5,975	7,313					
All **Virginia** programs	8,333	35,157	31,500	3,369	15,673	11,176	404	446	355	2.39%	1.23%
Washington											
Need grants	9,188	9,531	10,154	4,046	4,501	5,170	440	472	509	0.77%	0.57%
West Virginia											
Higher education grants	5,126	5,111	4,800	2,906	3,022	3,023	567	591	630	0.36%	0.33%
Wisconsin											
Tuition grants	8,206	8,780	9,700	8,044	10,460	10,309					
Higher education grants	30,000	28,000	39,000	13,941	10,281	11,937					
Indian student grants	1,092	1,091	998	830	890	871					
All **Wisconsin** programs	39,292	37,871	49,698	22,815	21,631	23,063	581	571	464	3.77%	2.53%
Wyoming											
Incentive grants	430	500	42	195	251	261	453	502	6,214	0.01%	0.03%
American Samoa											
Scholarships	177	223	119	297	618	615	1,678	2,769	5,165	0.01%	0.07%
Guam											
Professional/technical awards	56	70	n/a	231	235	n/a	4,125	3,917	n/a	0.01%	0.03%
Northern Marianas											
Grants	350	360	n/a	496	500	n/a	1,417	1,389	n/a	0.03%	0.05%
Puerto Rico											
Incentive grants	1,600	1,940	n/a	1,160	1,458	n/a	725	752	n/a	0.15%	0.16%
Trust Territory											
Scholarships and grants	1,000	1,000	n/a	505	505	n/a	505	505	n/a	0.08%	0.06%
Virgin Island											
Territorial scholarships	339	355	n/a	437	214	n/a	1,289	603	n/a	0.03%	0.02%
ALL PROGRAMS	**1,217,750**	**1,278,429**	**1,319,809**	**$769,218**	**$864,489**	**$912,017**	**$ 648**	**$ 676**	**$ 691**	**100%**	**100%**

n.a. Data not available
* Estimated
** Program being phased out

SOURCE: NATIONAL ASSOCIATION OF STATE STUDENT ASSISTANCE PROGRAMS

Federal Support

185 Funds for Higher Education in Dept. of Education Budget (Jan.'81)
186 Funds for Higher Education in Other Federal Agencies (Jan.'81)
188 Proposals of Senate and House Panels for Higher Education Appropriations (May '81)

Funds for Higher Education in Dept. of Education Budget

January 1981

	Actual Fiscal 1980	Fiscal 1981 Estimated	Fiscal 1981 Supplementals (+) and Rescissions (–)	Fiscal 1982 Requested
Student assistance:				
Pell Grants:				
Grants	$2,415,328,000	$2,159,000,000	+$661,000,0000[1]	$2,486,000,000
Institutional allowance	26,000,000	0	0	0
Supplemental opportunity grants	370,000,000	370,000,000	0	370,000,000
College work-study	550,000,000	550,000,000	0	550,000,000
State student-incentive grants	76,750,000	76,750,000	0	76,750,000
National direct loans	300,800,000	200,800,000	0	311,000,000
Guaranteed student loans	1,609,344,000	1,950,296,000	0	1,773,846,000
National student-aid commission	0	0	+750,000	1,000,000
Programs for the disadvantaged	147,500,000	159,500,000	0	159,500,000
Educational outreach[2]	15,000,000	15,000,000	–12,800,000	0
Graduate support:				
Graduate/professional opportunities	8,850,000	11,000,000	0	11,000,000
Public-service fellowships	4,000,000	2,000,000	–2,000,000	0
Mining fellowships	4,500,000	1,150,000	–1,150,000	0
Institutional assistance:				
Developing institutions	110,000,000	120,000,000	0	129,600,000
Minority institutions science improvement	5,000,000	5,000,000	0	5,000,000
International education	20,000,000	28,000,000	–8,000,000	20,000,000
Cooperative education	15,000,000	23,000,000	0	23,000,000
Veterans cost-of-instruction	14,380,000	12,039,000	–12,039,000	0
Construction loan subsidies	29,000,000	26,000,000	0	25,500,000
College housing loans	13,857,000	14,550,000	–14,550,000	0
Architectural barriers removal	0	10,000,000	–10,000,000	0
Library resources:				
College libraries	4,988,000	4,988,000	0	0
Research libraries	6,000,000	6,000,000	0	6,000,000
Training & demonstration	1,000,000	1,167,000	0	1,167,000
Professional development:				
Teacher centers	13,000,000	13,000,000	–3,250,000	0[3]
Teacher corps	30,000,000	30,000,000	–7,500,000	0[3]
Pre-college science teacher training	2,500,000	2,500,000	–625,000	0[3]
Vocational education	779,241,000	779,241,000	–194,811,000	623,393,000
Adult education	122,600,000	120,000,000	–30,000,000	0[4]
Women's educational equity	10,000,000	10,000,000	–2,500,000	0[3]
Bilingual training grants	31,841,250	32,075,000	0	32,075,000
Rehabilitation training	28,500,000	25,500,000	–5,100,000	0[5]
National Institute of Handicapped Research	31,488,000	35,000,000	–7,000,000	0[5]
Legal training	5,000,000	4,000,000	–3,000,000	1,000,000
National Institute of Education	74,114,000	74,114,000	0	61,000,000

1– Includes $258,000,000 to cover deficit in previous year.
2– Includes three programs consolidated by the Education Amendments of 1980: educational information centers, university community services, and state postsecondary commissions.
3– Program included in block grants for state education agencies.
4– Program included in block grants for local education agencies.
5– Program included in social-service block grants to be administered by the Department of Health and Human Services.

	Actual Fiscal 1980	Fiscal 1981 Estimated	Fiscal 1981 Supplementals (+) and Rescissions (–)	Fiscal 1982 Requested
Fund for Improvement of Postsec. Ed.	13,500,000	13,500,000	0	13,500,000
Natl. Ctr. for Education Statistics	9,947,000	9,947,000	0	9,947,000
Institute of Museum Services	10,900,000	12,857,000	–12,357,000	220,000
Office for Civil Rights	45,847,000	46,915,000	0	49,396,000
Handicapped education:				
Innovation and development	20,000,000	20,000,000	–5,000,000	12,250,000[3]
Personnel development	55,375,000	58,000,000	–14,500,000	0[3]
Vocational, postsecondary programs	2,400,000	4,000,000	–1,000,000	1,800,000[3]
Aid to land-grant colleges	2,700,000	2,800,000	0	0

Funds for Higher Education in Other Federal Agencies

DEPARTMENT OF HEALTH AND HUMAN SERVICES

January 1981	Actual Fiscal 1980	Fiscal 1981 Estimated	Fiscal 1981 Supplementals (+) and Rescissions (–)	Fiscal 1982 Requested
Alcohol, Drug Abuse, & Mental Health Administration:				
Mental-health research and training	$233,213,000	$246,006,000	–$29,000,000	$203,000,000
Drug-abuse research and training	54,567,000	53,762,000	–1,000,0000	51,000,000
Alcoholism research and training	29,034,000	28,142,000	–1,000,000	29,000,000
Health Resources Administration:				
Health professions education, total	476,242,000	480,988,000	–212,000,000	120,000,000
Institutional assistance	82,916,000	83,668,000	–74,000,000	0
Financial distress grants	7,000,000	10,000,000	0	7,000,000
Nursing programs	106,236,000	106,250,000	–63,000,000	14,000,000
Aid to disadvantaged students	19,418,000	19,568,000	0	20,000,000
Public health/health administration training	17,000,000	17,000,000	–10,000,000	6,000,000
Primary care/family medicine training	65,000,000	59,000,000	–16,000,000	44,000,000
Area health education centers	21,000,000	21,000,000	0	16,000,000
Health services research, technology	34,000,000	35,000,000	–1,000,000	20,000,000
Health Services Administration:				
National Health Service Corps scholarships	80,000,000	80,000,000	–16,000,000	38,000,000
Maternal, child health research & training	33,120,000	30,000,000	–6,000,000	0
National Institutes of Health:				
Cancer Institute	$999,869,000	$1,009,844,000	–$25,386,000	$1,026,000,000
Heart, Lung, & Blood Institute	527,488,000	563,743,000	–23,868,000	580,000,000
Institute of Dental Research	68,303,000	72,260,000	–1,985,000	75,000,000
Institute of Arthritis, Metabolism, & Digestive Diseases	341,206,000	374,767,000	–11,179,000	380,000,000
Institute of Neurological Disorders & Stroke	241,966,000	255,878,000	–6,484,000	276,000,000
Institute of Allergy & Infectious Diseases	215,364,000	234,637,000	–3,884,000	244,000,000
Institute of General Medical Sciences	312,468,000	336,144,000	–21,050,000	341,000,000
Institute of Child Health & Human Development	208,953,000	225,190,000	–7,748,000	231,000,000
Institute on Aging	69,988,000	76,832,000	–2,213,000	84,000,000
Eye Institute	112,989,000	120,900,000	–4,696,000	132,000,,000

	Actual Fiscal 1980	Fiscal 1981 Estimated	Fiscal 1981 Supplementals (+) and Rescissions (–)	Fiscal 1982 Requested
Institute of Environmental Health	83,893,000	98,467,000	–6,056,000	110,000,000
Research Resources	169,196,000	184,439,000	–10 745,000	191,863,000
International Center	8,987,000	,9,291.000	0	9,589,000
Library of Medicine	43,979,000	45,823,000	–341,000	47,677,000
Total N.I.H.	$3,429,000,000	$3,594,000,000	–$126,000,000	$3,762,000,000

OTHER AGENCIES

	Actual Fiscal 1980	Fiscal 1981 Estimated	Fiscal 1981 Supplementals (+) and Rescissions (–)	Fiscal 1982 Requested
Action:				
Peace Corps	$99,924,000	$105,000,000	–$10,000,000	$95,000,000
VISTA	32,796,000	36,850,000	–1,750,000	22,500,000
Corporation for Public Broadcasting ...	152,000,000	162,000,000	0	129,000,000
National Arts Endowment	154,610,000	159,065,000	0	88,000,000
National Humanities Endowment, total .	150,100,000	151,299,000	0	85,000,000
Public programs	21,300,000	21,450,000	0	8,400,000
Education programs	16,483,000	16,770,000	0	10,700,000
Fellowship programs	14,800,000	15,805,000	0	9,200,000
Research programs	14,717,000	18,000,000	0	13,000,000
Special programs	10,500,000	10,550,000	0	4,500,000
Challenge grants	27,000,000	24,000,000	0	9,600,000
Sea-Grant program	35,984,000	39,067,000	0	1,800,000
Veterans' education and training	2,373,535,000	2,039,908,000	+217,500,000	1,658,000,000
National Science Foundation, total	$975,130,000	$1,095,990,000	–$83,000,000	$1,033,500,000
Research:				
Mathematical & physical sciences ...	226,991,000	257,080,000	–8,860,000	295,410,000
Astronomical & earth sciences	218,054,000	236,150,000	–8,140,000	253,150,000
U. S. Antarctic program	55,836,000	64,700,000	0	70,100,000
Ocean drilling programs	19,473,000	22,000,000	0	26,000,000
Biological & social sciences	185,661,000	198,102,000	–15,000,000	171,980,000
Engineering	76,601,000	86,820,000	–3,000,000	102,560,000
Technological & international affairs	36,642,000	56,350,000	–20,400,000	37,700,000
Interdisciplinary programs	15,585,000	26,752,000	–10,600,000	0
Program management	58,237,000	61,699,000	–1,000,000	63,200,000
Total research	$893,080,000	$1,009,000,000	–$67,000,000	$1,020,100,000
Science and engineering education ..	77,190,000	80,700,000	–16,000,000	9,900,000

Proposals of Senate and House Panels for Higher Education Appropriations

May 1981	Fiscal 1981 appropriations	Reagan supplementals (+) and rescissions (−)	House committee supplementals (+) and rescissions (−)	Senate subcommittee supplementals (+) and rescissions (−)
DEPARTMENT OF EDUCATION				
Pell Grants	$2,159,000,000	+$661,000,000	+$661,000,000 *	+$391,000,000 *
Guaranteed Student Loans	1,950,296,000	−103,270,000	−103,270,000	0
National student-aid commission	0	+750,000	+750,000	0
Programs for the disadvantaged	159,500,000	0	0	−6,000,000
Educational outreach	15,000,000	−12,800,000	0	−12,800,000
Graduate support				
Graduate / professional opportunities	11,000,000	0	0	−2,000,000
Public-service fellowships	2,000,000	−2,000,000	0	−2,000,000
Mining fellowships	1,150,000	−1,150,000	0	−1,150,000
Institutional assistance				
Developing institutions	120,000,000	0	0	−30,000,000
International education	28,000,000	−8,000,000	0	0
Veterans' cost of instruction	12,039,000	−12,039,000	0	−12,039,000
College housing loans	14,550,000	−14,550,000	0	−14,500,000
Architectural-barriers removal	10,000,000	−10,000,000	−10,000,000	−10,000,000
Library resources				
College libraries	4,988,000	0	0	−4,988,000
Training and demonstration	1,167,000	0	0	−500,000
Professional development				
Teacher Centers	13,000,000	−3,250,000	−1,300,000	−6,500,000
Teacher Corps	30,000,000	−7,500,000	−3,000,000	−7,500,000
Pre-College Science Teacher Training	2,500,000	−625,000	−250,000	−625,000
Vocational education	776,880,000	−196,011,000	−76,236,000	−124,201,000
Adult education	120,000,000	−30,000,000	−15,000,000	−20,000,000
Women's educational equity	10,000,000	−2,500,000	−1,250,000	−2,500,000
Rehabilitation training	25,500,000	−5,100,000	−2,550,000	−5,100,000
National Institute of Handicapped Research	35,000,000	−7,000,000	−3,500,000	−7,000,000
Legal training	4,000,000	−3,000,000	0	−3,000,000
National Institute of Education	74,114,000	0	−7,000,000	−10,000,000
National Center for Education Statistics	9,947,000	0	0	−1,000,000
Institute of Museum Services	12,857,000	−12,357,000	0	−12,357,000
Education of the handicapped				
Innovation and development	20,000,000	−5,000,000	−5,000,000	−5,000,000
Personnel development	58,000,000	−14,500,000	−7,250,000	−25,000,000
Vocational, postsecondary programs	4,000,000	−1,000,000	−500,000	−1,600,000
DEPARTMENT OF HEALTH AND HUMAN SERVICES				
Alcohol, Drug Abuse, and Mental Health Administration				
Mental-health research and training	244,912,000	−29,276,000	−20,368,000	−20,368,000
Drug-abuse research and training	53,644,000	−1,403,000	−1,403,000	−1,403,000
Alcoholism research and training	28,072,000	−914,000	−914,000	−914,000

	Fiscal 1981 appropriations	Reagan supplementals (+) and rescissions (−)	House committee supplementals (+) and rescissions (−)	Senate subcommittee supplementals (+) and rescissions (−)
Health Resources Administration				
Health-professions education, total	505,532,000	−251,742,000	−180,934,000	−152,854,000
Institutional assistance				
Enrollment-based grants	65,428,000	−65,428,000	−65,428,000	−65,428,000
Start-up assistance	1,790,000	−1,790,000	0	−1,790,000
National Health Service Corps scholarships	79,500,000	−16,100,000	−16,100,000	−16,100,000
Health-professions student loans	16,500,000	−16,500,000	0	−8,250,000
Dental-health education	8,050,000	−6,950,000	−4,925,000	−6,450,000
Public-health and health-administration training	23,450,000	−16,450,000	−6,700,000	−8,175,000
Allied health	6,700,000	−5,700,000	−5,700,000	−5,700,000
Primary care/family-medicine training	55,950,000	−22,000,000	−9,500,000	0
Emergency medical training	3,000,000	−3,000,000	−3,000,000	−3,000,000
Improvement and development	8,500,000	−8,500,000	−8,500,000	−4,250,000
Nursing programs				
Enrollment-based grants	24,000,000	−24,000,000	−14,000,000	−14,000,000
Advanced nurses' training	12,000,000	−11,243,000	−3,000,000	0
Nurse practitioner	13,000,000	−3,000,000	−3,000,000	0
Special projects	15,000,000	−3,000,000	−3,000,000	−3,000,000
Traineeships	13,000,000	−13,000,000	−3,000,000	0
Scholarships	9,000,000	−9,000,000	−9,000,000	0
National Institutes of Health				
Cancer Institute	1,001,330,000	−25,386,000	−7,730,000	−14,264,000
Heart, Lung, and Blood Institute	560,264,000	−23,868,000	−10,131,000	−11,325,000
Institute of Dental Research	71,206,000	−1,985,000	0	−347,000
Institute of Arthritis, Metabolism, and Digestive Diseases	371,993,000	−11,179,000	−2,316,000	−3,237,000
Institute of Neurological Disorders and Stroke	253,838,000	−6,484,000	−2,456,000	−1,791,000
Institute of Allergy and Infectious Diseases	232,355,000	−3,884,000	0	0
Institute of General Medical Sciences	335,676,000	−21,050,000	−2,757,000	−1,720,000
Institute of Child Health and Human Development	223,565,000	−7,748,000	−3,335,000	−3,360,000
Institute on Aging	76,091,000	−2,213,000	−598,000	−659,000
Eye Institute	120,254,000	−4,696,000	−2,619,000	−2,381,000
Institute of Environmental Health	97,269,000	−6,056,000	−3,455,000	−4,056,000
Research Resources	184,439,000	−10,745,000	−8,623,000	−10,561,000
Library of Medicine	44,730,000	−341,000	0	−341,000
Total N.I.H.	3,604,697,000	−125,995,000	−44,020,000	−54,902,000
OTHER AGENCIES				
Action, VISTA	36,850,000	−1,750,000	−1,750,000	−3,207,000
Veterans' education and training	2,039,808,000	+217,500,000	+217,500,000	+217,000,000
National Science Foundation, total	1,095,990,000	−82,000,000	−64,000,000	−53,500,000
Research	1,009,000,000	−66,000,000	−54,000,000	−37,500,000
Science and engineering education	80,700,000	−16,000,000	−10,000,000	−16,000,000

* Includes $258,000,000 to cover deficit in previous year.

Giving

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Who Gave How Much To Higher Education, 1979-80

	74 private universities	7 private men's colleges	74 private women's colleges	473 private coeducational colleges
Volume of support				
Grand total of support	$1,202,419,858 (100.0%)	$16,158,344 (100.0%)	$97,547,972 (100.0%)	$732,832,278 (100.0%)
Current operations	605,955,455 (50.4%)	6,623,421 (41.0%)	49,342,533 (50.6%)	356,624,817 (48.7%)
Capital purposes	596,464,403 (49.6%)	9,534,923 (59.0%)	48,205,439 (49.4%)	376,207,461 (51.3%)
Sources of support				
Business corporations	$193,554,737 (16.1%)	$1,228,595 (7.6%)	$9,686,684 (9.9%)	$103,035,800 (14.1%)
Religious denominations	23,810,990 (2.0%)	1,087,038 (6.7%)	4,799,544 (4.9%)	81,635,086 (11.1%)
Alumni	299,073,861 (24.9%)	6,200,375 (38.4%)	45,116,225 (46.3%)	186,059,582 (25.4%)
Non-alumni individuals	232,970,196 (19.4%)	5,510,097 (34.1%)	18,192,650 (18.7%)	214,763,013 (29.3%)
Foundations	390,326,202 (32.4%)	1,930,081 (11.9%)	18,737,087 (19.2%)	122,441,222 (16.7%)
Others	62,683 (5.2%)	202,158 (1.3%)	1,015,782 (1.0%)	24,897,575 (3.4%)
Support through the annual fund				
Total number of alumni of record	4,628,713	65,975	641,804	4,785,411
Number of alumni solicited for annual fund	3,799,002	53,756	568,919	4,024,486
Number of alumni donors to annual fund	898,635	18,808	179,940	900,078
Dollar value of alumni gifts to annual fund	$120,707,769	$2,255,812	$22,499,304	$78,566,742
Dollar value of non-alumni parents' gifts to annual fund	6,141,526	202,852	2,121,665	8,140,041
Dollar value of total gifts to annual fund	196,797,837	4,170,189	35,144,796	194,387,114
Total non-alumni parent support				
Number of non-alumni parent donors for all purposes	39,269	1,647	14,026	91,665
Contributions by non-alumni parents for all purposes	$9,239,418	$308,050	$4,126,183	$16,564,128
Corporations' matching gifts				
Total number of gifts matched	59,201	1,517	11,347	68,102
Support from corporation matching-gift programs	$13,398,244	$307,650	$2,226,844	$12,894,268

giving

	68 professional and specialized schools	218 public institutions	10 2-year colleges	Total for 1,019 institutions
Volume of support				
Grand total of support	$128,103,595 (100.0%)	$856,193,385 (100.0%)	$21,797,160 (100.0%)	$3,055,052,592 (100.0%)
Current operations	66,866,464 (52.2%)	605,626,457 (70.7%)	12,351,233 (56.7%)	1,703,390,380 (55.8%)
Capital purposes	61,237,131 (47.8%)	250,566,928 (29.3%)	9,445,927 (43.3%)	1,351,662,212 (44.2%)
Sources of support				
Business corporations	$15,846,764 (12.4%)	$227,798,984 (26.6%)	$4,602,634 (21.1%)	$555,754,198 (18.2%)
Religious denominations	9,352,671 (7.3%)	424,426 (0.1%)	3,139,120 (14.4%)	124,248,875 (4.1%)
Alumni	11,246,145 (8.8%)	175,900,565 (20.5%)	1,943,897 (8.9%)	725,540,650 (23.7%)
Non-alumni individuals	43,851,655 (34.2%)	153,976,903 (18.0%)	8,732,732 (40.1%)	677,997,246 (22.2%)
Foundations	42,882,457 (33.5%)	160,861,719 (18.8%)	2,580,420 (11.8%)	739,759,188 (24.2%)
Others	4,923,903 (3.8%)	137,230,788 (16.0%)	798,357 (3.7%)	231,752,435 (7.6%)
Support through the annual fund				
Total number of alumni of record	446,075	9,958,531	468,519	20,995,028
Number of alumni solicited for annual fund	375,611	7,575,948	260,804	16,658,526
Number of alumni donors to annual fund	68,344	926,960	22,287	3,015,052
Dollar value of alumni gifts to annual fund	$6,327,283	$67,645,738	$1,244,472	$299,247,120
non-alumni parents' gifts to annual fund	213,665	713,017	248,052	17,313,548
Dollar value of total gifts to annual fund	14,547,988	146,336,272	5,612,243	596,996,539
Total non-alumni parent support				
non-alumni parent donors for all purposes	3,821	82,953	2,476	235,857
non-alumni parents for all purposes	$603,114	$1,293,883	$459,652	$32,594,428
Corporations' matching gifts				
number of gifts matched	7,385	38,593	1,432	197,577
matching-gift programs	$1,101,836	$6,608,320	$198,526	$36,735,688

SOURCE: COUNCIL FOR FINANCIAL AID TO EDUCATION

Academic year	Total enrollment	Consumer Price Index *	Higher Education Price Index *	Institutional expenditures: Total amount	Institutional expenditures per student: current	Institutional expenditures per student: Adjusted†
1949-50	2,659,000	71.7	—	$ 2,500,000,000	$ 940	$1,310
1965-66	5,967,000	95.9	95.0	15,200,000,000	2,547	2,656
1970-71	8,649,000	118.8	128.6	27,100,000,000	3,133	2,637
1974-75	10,322,000	154.5	166.2	38,900,000,000	3,769	2,439
1978-79	11,392,000	206.4	217.1	54,000,000,000	4,740	2,297
Change from 1977-78	+ 0.8%	+ 9.5%	+ 7.8%	+ 8.0%	+ 7.1%	- 2.1%
1979-80	11,707,000	232.1	238.3	58,500,000,000	4,997	2,153
Change from 1978-79	+ 2.8%	+12.5%	+ 9.8%	+ 8.3%	+ 5.4%	- 6.3%

How Alumni Responded to Annual Fund Drive

	1978-79		1979-80	
	Per cent who gave	Average gift	Per cent who gave	Average gift
Private four-year institutions	22.3%	$105.01	23.4%	$111.51
Private universities	21.8%	126.13	23.7%	134.32
Private men's colleges	33.1%	121.93	35.0%	119.94
Private women's colleges	33.2%	109.72	31.6%	125.04
Private coeducational colleges	21.6%	83.76	22.4%	87.29
Professional and specialized schools	16.2%	84.64	18.2%	92.58
Four-year public institutions	12.9%	80.19	12.2%	72.98
Two-year institutions	10.1%	61.72	8.6%	55.84
Total	17.9%	96.60	18.1%	99.25

SOURCE: COUNCIL FOR FINANCIAL AID TO EDUCATION

The Top 20

Following are the 20 institutions reporting the highest amounts of voluntary support—from individuals, corporations, foundations, religious denominations, and other sources—in 1979-80, according to the Council for Financial Aid to Education.

1. Emory U.	$115,592,443
2. Harvard U.	76,179,576
3. U. of Cal. system	74,972,959
4. U. of Texas system	60,722,404
5. Stanford U.	60,122,303
6. Yale U.	59,649,269
7. U. of Pennsylvania	49,129,330
8. Cornell U.	47,288,245
9. U. of Southern Cal.	42,234,069
10. U. of Minnesota	40,568,067
11. Columbia U.	38,107,255
12. Mass. Inst. of Tech.	38,057,635
13. U. of Michigan	33,874,620
14. U. of Chicago	33,740,660
15. Princeton U.	32,686,791
16. Dartmouth C.	31,567,563
17. U. of Wis., Madison	31,125,650
18. Northwestern U.	31,035,653
19. Case W. Reserve U.	29,173,909
20. Johns Hopkins U.	28,960,335

Estimated voluntary support				
per student			Share	
Current	Adjusted†	of total		
$ 240,000,000	$ 90	$126	9.6%	1949-50
1,440,000,000	241	251	9.5%	1965-66
1,860,000,000	215	181	6.9%	1970-71
2,160,000,000	209	135	5.6%	1974-75
3,230,000,000	284	138	6.0%	1978-79
+ 6.3%	+ 5.6%	− 3.5%		Change
3,800,000,000	325	140	6.4%	1978-79
+17.6%	+ 5.3%	+ 1.4%	+ 6.7%	Change

* 1967 = 100.
† Adjusted to 1967 dollars, according to Consumer Price Index.

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Estimated 1980 Fall Enrollment

Public Institutions

	Universities		Other 4-year institutions		2-year institutions		All public institutions	
	Fall 1980 estimate	Change from 1979	Fall 1980 estimate	Change from 1979	Fall 1980 estimate	Change from 1979	Fall 1980 estimate	Change from 1979
Full-time students								
Men	880,301	− 1.9%	1,050,904	+10.6%	778,881	+ 4.8%	2,710,086	+ 4.6%
Women	739,121	+ 1.7%	1,035,160	+ 8.5%	805,873	+ 9.7%	2,580,154	+ 6.8%
Total	1,169,422	− 0.3%	2,086,064	+ 9.5%	1,584,754	+ 7.2%	5,290,240	+ 5.7%
Part-time students								
Men	220,480	− 7.3%	434,166	− 2.0%	1,134,282	+ 1.0%	1,788,928	− 0.1%
Women	244,237	− 6.2%	547,029	− 1.8%	1,544,807	+ 5.9%	2,346,073	+ 2.6%
Total	464,717	− 6.7%	981,195	− 1.9%	2,689,089	+ 3.8%	4,135,001	+ 1.1%
Total enrollment								
Men	1,100,781	− 3.0%	1,485,070	+ 6.6%	1,913,163	+ 2.5%	4,499,014	+ 2.4%
Women	983,358	− 0.4%	1,582,189	+ 4.7%	2,360,680	+ 7.1%	4,926,227	+ 4.8%
Total	2,084,139	− 1.8%	3,067,259	+ 5.6%	4,273,843	+ 5.0%	9,425,241	+ 3.6%

Private Institutions

	Universities		Other 4-year institutions		2-year institutions		All private institutions	
	Fall 1980 estimate	Change from 1979	Fall 1980 estimate	Change from 1979	Fall 1980 estimate	Change from 1979	Fall 1980 estimate	Change from 1979
Full-time students								
Men	301,412	− 1.4%	644,147	+ 1.2%	62,670	+13.6%	1,008,229	+ 1.1%
Women	220,122	+ 1.5%	608,493	+ 2.5%	102,371	+18.0%	930,986	+ 3.8%
Total	521,534	− 0.2%	1,252,640	+ 1.8%	165,041	+16.3%	1,939,215	+ 2.4%
Part-time students								
Men	109,664	+ 0.2%	217,664	− 3.1%	18,593	+27.7%	345,921	− 0.8%
Women	105,159	− 2.5%	241,213	+ 2.4%	30,451	+26.7%	376,823	+ 2.6%
Total	214,823	− 1.2%	458,877	− 0.3%	49,044	+27.1%	722,744	+ 0.9%
Total enrollment								
Men	411,076	− 1.0%	861,811	+ 0.1%	81,263	+16.5%	1,354,150	+ 0.6%
Women	325,281	+ 0.2%	849,706	+ 2.5%	132,822	+19.8%	1,307,809	+ 3.4%
Total	736,357	− 0.5%	1,711,517	+ 1.3%	214,085	+18.6%	2,661,959	+ 2.0%

All Institutions, Public and Private

	Universities		Other 4-year institutions		2-year institutions		All institutions	
	Fall 1980 estimate	Change from 1979	Fall 1980 estimate	Change from 1979	Fall 1980 estimate	Change from 1979	Fall 1980 estimate	Change from 1979
Full-time students								
Men	1,181,713	− 1.8%	1,695,051	+ 6.8%	841,551	+ 5.4%	3,718,315	+ 3.6%
Women	959,243	+ 1.6%	1,643,653	+ 6.2%	908,244	+10.6%	3,511,140	+ 6.0%
Total	2,140,956	− 0.3%	3,338,704	+ 6.5%	1,749,795	+ 8.0%	7,229,455	+ 4.8%
Part-time students								
Men	330,144	− 4.9%	651,830	− 2.4%	1,152,875	+ 1.4%	2,134,849	− 0.1%
Women	349,396	− 5.1%	788,242	− 0.5%	1,585,258	+ 6.2%	2,722,896	+ 2.6%
Total	679,540	− 5.0%	1,440,072	− 1.4%	2,738,133	+ 4.1%	4,857,745	+ 1.1%
Total enrollment								
Men	1,511,857	− 2.5%	2,346,881	+ 4.1%	1,994,426	+ 3.0%	5,853,164	+ 2.0%
Women	1,308,639	− 0.3%	2,431,895	+ 3.9%	2,493,502	+ 7.8%	6,234,036	+ 4.5%
Total	2,820,496	− 1.5%	4,778,776	+ 4.0%	4,487,928	+ 5.6%	12,087,200	+ 3.2%

SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS, BASED ON DATA FROM 999 INSTITUTIONS

Changes in Fall, 1980, Enrollment

Public Institutions

Per cent change from Fall, 1979 (a)

Enrollment category	Research & Ph.D.-granting universities	Comprehensive colleges & universities	Selective liberal-arts colleges	Less selective liberal-arts colleges	2-year colleges	All types	Northeast and Mid-Atlantic (b)	Southeast (c)	Great Lakes & Plains (d)	West & Southwest (e)
All undergraduates	+ 2.7%	+ 2.5%	—	+ 6.4%	+ 6.2%	+ 4.3%	+ 2.8%	+ 3.4%	+ 6.9%	+ 3.7%
Freshmen only	+ 2.0%	+ 2.5%	—	− 0.2%	+ 6.1%	+ 4.1%	+ 2.4%	+ 4.8%	+ 6.5%	+ 2.7%
Transfer students	− 0.8%	+ 1.4%	—	+ 3.5%	+ 6.7%	+ 3.4%	+ 0.8%	+ 5.0%	+ 4.5%	+ 2.9%
Graduate students	+ 1.0%	+ 0.1%	—	—	—	+ 0.6%	+ 1.1%	+ 0.1%	+ 1.8%	− 0.6%
First professional students										
Health fields	+ 3.3%	—	—	—	—	+ 2.8%	—	+ 1.6%	+ 2.6%	+ 2.6%
Other fields	+ 1.7%	+ 3.1%	—	—	—	+ 1.9%	—	+ 1.3%	+ 2.6%	+ 3.4%
Other or unclassified	− 3.1%	+ 3.7%	—	—	+ 3.0%	+ 1.5%	+ 3.3%	− 2.3%	− 1.1%	+ 4.5%
Total enrollment	**+ 2.3%**	**+ 2.2%**	**—**	**+ 3.6%**	**+ 6.4%**	**+ 4.1%**	**+ 2.7%**	**+ 3.5%**	**+ 6.3%**	**+ 3.6%**

Private Institutions

Per cent change from Fall, 1979 (a)

Enrollment category	Research & Ph.D.-granting universities	Comprehensive colleges & universities	Selective liberal-arts colleges	Less selective liberal-arts colleges	2-year colleges	All types	Northeast and Mid-Atlantic (b)	Southeast (c)	Great Lakes & Plains (d)	West & Southwest (e)
All undergraduates	+ 0.6%	+ 2.3%	+ 1.0%	+ 3.5%	+ 5.7%	+ 2.2%	+ 3.0%	+ 3.3%	+ 1.5%	− 0.3%
Freshmen only	− 1.1%	+ 2.0%	− 0.5%	+ 3.7%	+ 5.0%	+ 1.5%	+ 1.5%	+ 3.1%	+ 2.4%	− 1.6%
Transfer students	+ 1.4%	+ 3.4%	− 4.5%	+ 7.4%	+ 9.0%	+ 3.3%	+ 6.7%	+ 1.9%	− 0.4%	+ 1.5%
Graduate students	+ 1.3%	− 0.2%	+ 5.2%	+16.7%	—	+ 1.5%	+ 2.7%	− 3.5%	+ 4.1%	− 2.2%
First professional students										
Health fields	+ 1.2%	—	—	—	—	+ 0.9%	—	—	—	—
Other fields	+ 0.4%	+ 4.2%	—	—	—	+ 1.5%	+ 1.2%	− 0.9%	− 1.3%	+ 6.2%
Other or unclassified	+10.5%	+ 4.1%	+17.3%	+10.8%	+ 1.9%	+ 8.2%	+12.5%	+ 4.7%	+ 8.4%	− 1.1%
Total enrollment	**+ 1.8%**	**+ 2.4%**	**+ 1.5%**	**+ 3.9%**	**+ 5.8%**	**+ 2.5%**	**+ 3.5%**	**+ 2.5%**	**+ 1.6%**	**+ 0.8%**

All Institutions, Public and Private

Per cent change from Fall, 1979 (a)

Enrollment category	Research & Ph.D.-granting universities	Comprehensive colleges & universities	Selective liberal-arts colleges	Less selective liberal-arts colleges	2-year colleges	All types	Northeast and Mid-Atlantic (b)	Southeast (c)	Great Lakes & Plains (d)	West & Southwest (e)
All undergraduates	+ 2.3%	+ 2.4%	+ 1.0%	+ 3.7%	+ 6.2%	+ 3.9%	+ 2.9%	+ 3.3%	+ 6.0%	+ 3.3%
Freshmen only	+ 1.4%	+ 2.4%	− 0.5%	+ 3.5%	+ 6.1%	+ 3.6%	+ 2.1%	+ 4.5%	+ 5.8%	+ 2.3%
Transfer students	− 0.4%	+ 1.9%	− 4.5%	+ 7.2%	+ 6.8%	+ 3.4%	+ 2.8%	+ 4.5%	+ 3.6%	+ 2.8%
Graduate students	+ 1.1%	0.0%	+ 5.2%	+16.0%	—	+ 0.9%	+ 2.1%	− 0.4%	+ 2.3%	− 1.0%
First professional students										
Health fields	+ 2.3%	—	—	—	—	+ 1.8%	+ 1.0%	+ 1.2%	+ 2.8%	+ 1.6%
Other fields	+ 1.1%	+ 3.9%	—	—	—	+ 1.7%	+ 0.7%	+ 0.4%	+ 1.0%	+ 5.0%
Other or unclassified	0.0%	+ 3.8%	+17.3%	+10.2%	+ 3.0%	+ 2.8%	+ 6.8%	− 1.2%	+ 0.6%	+ 4.0%
Total enrollment	**+ 2.2%**	**+ 2.2%**	**+ 1.5%**	**+ 3.9%**	**+ 6.4%**	**+ 3.8%**	**+ 3.0%**	**+ 3.3%**	**+ 5.4%**	**+ 3.3%**

— Indicates insufficient data for a reliable estimate.

(a) Based on data from 264 public and 331 private institutions. Sample statistics are weighted to reflect total student enrollment in each category by region and type of institution.

(b) Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont.

(c) Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia.

(d) Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin.

(e) Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oklahoma, Oregon, Texas, Utah, Washington, Wyoming.

SOURCE: SURVEY DESIGNED AND CONDUCTED FOR THE CHRONICLE BY JOHN MINTER

Changes in Number of Applicants

March 31, 1981, compared with March 31, 1980

	Change in average[1]	Reporting an increase	Reporting a decrease	Change		
				Median[2]	Low[3]	High[4]
Private colleges and universities						
Research and Ph.D.-granting	+11.0%	70.0%	30.0%	+ 8.1%	− 6.3%	+12.9%
Comprehensive	+ 7.9%	73.1%	26.9%	+ 4.7%	− 1.0%	+15.5%
Liberal arts	+ 8.4%	59.8%	39.2%	+ 4.9%	− 4.7%	+19.9%
Regions						
Northeast and Mid-Atlantic	+12.5%	71.2%	28.8%	+ 7.8%	− 1.6%	+22.7%
Great Lakes and Plains	+12.2%	63.3%	35.0%	+ 4.2%	− 2.9%	+18.3%
Southeast	− 3.2%	54.8%	45.2%	+ 3.1%	− 8.1%	+14.8%
West and Southwest	+ 5.1%	70.0%	30.0%	+ 3.7%	− 1.8%	+11.6%
Enrollment						
500 − 999	+ 7.4%	58.3%	39.6%	+ 2.7%	− 7.0%	+22.3%
1,000 − 2,499	+11.2%	67.6%	32.4%	+ 7.7%	− 3.7%	+19.0%
2,500 − 4,999	+ 4.7%	72.0%	28.0%	+ 4.9%	− 1.1%	+ 8.1%
5,000 − 10,000	+13.7%	73.3%	26.7%	+ 6.8%	− 2.1%	+18.9%
Over 10,000	+ 7.6%	60.0%	40.0%	+ 3.0%	−13.9%	+11.0%
All private	**+ 8.5%**	**62.7%**	**36.5%**	**+ 5.1%**	**− 4.2%**	**+18.7%**
Public colleges and universities						
Research and Ph.D.-granting	+ 6.2%	70.0%	30.0%	+ 3.0%	− 1.7%	+17.1%
Comprehensive	+19.6%	89.8%	10.2%	+12.1%	+ 5.6%	+24.9%
Regions						
Northeast and Mid-Atlantic	+ 5.4%	77.8%	22.2%	+ 4.8%	− 0.1%	+11.1%
Great Lakes and Plains	+ 7.0%	84.6%	15.4%	+ 9.9%	+ 2.6%	+22.6%
Southeast	+11.6%	75.0%	25.0%	+ 5.6%	− 0.8%	+19.8%
West and Southwest	+18.4%	78.6%	21.4%	+12.3%	− 2.6%	+38.7%
Enrollment						
500 − 2,499	+35.0%	100.0%	0.0%	+ 8.9%	+ 5.3%	+56.9%
2,500 − 4,999	+45.6%	77.8%	22.2%	+ 8.3%	−14.1%	+25.0%
5,000 − 9,999	+10.8%	91.3%	8.7%	+12.2%	+ 3.1%	+22.6%
10,000 − 19,999	+ 8.9%	78.6%	21.4%	+ 5.6%	+ 0.4%	+16.2%
20,000 and over	+ 7.0%	68.8%	31.3%	+ 3.3%	− 1.3%	+23.7%
All public institutions	**+16.3%**	**84.9%**	**15.1%**	**+ 9.9%**	**+ 3.9%**	**+23.0%**
All institutions	**+11.2%**	**70.5%**	**29.0%**	**+ 6.8%**	**− 1.4%**	**+20.2%**

[1] Percentage change in mean number of applications by December 31, 1980, compared with the mean for a year earlier.
[2] Half of the institutions reported changes greater than the percentages shown.
[3] The bottom one-fourth of the institutions reported changes smaller than the percentages shown.
[4] The top one-fourth of the institutions reported changes greater than the percentages shown.

Note: Survey data are from a stratified random sample of 715 four-year colleges and universities, excluding colleges with enrollment under 500. The response rate was 40 per cent. The response among private institutions was: research and Ph.D.-granting, 28; comprehensive, 63; liberal arts, 106; all private institutions, 197. The response among public institutions was: research and Ph.D.-granting, 48; comprehensive, 54; liberal arts, 0; all public institutions, 102. Results for "all private institutions," and "all public institutions" are weighted averages based upon the distribution of institutions by type.

SOURCE: SURVEY FOR THE CHRONICLE BY JOHN MINTER ASSOCIATES

High School Seniors' Educational Expectations

Plans for Attendance and Financial Aid

	1980	1972
Business	22%	13%
Engineering	10%	5%
Health services	8%	12%
Preprofessional	8%	—
Education	6%	12%
Computer and information science	5%	2%
Social sciences	8%	17%
Art	4%	3%
Communications	4%	2%
Vocational or technical	3%	3%
Biological sciences	3%	10%
Agriculture	2%	3%
Architecture	2%	2%
English	2%	3%
Home economics	2%	2%
Music	2%	3%
Physical science	2%	3%
Foreign language	1%	1%
Mathematics	1%	2%
Philosophy or religion	1%	1%
Other fields	4%	0.5%

	All seniors	Socio-economic status †		
		Low	Middle	High
College				
Less than 2 years	3%	3%	3%	1%
2 years or more	12%	12%	14%	9%
4-year or 5-year degree	26%	16%	25%	37%
Master's degree	11%	5%	9%	22%
Ph.D. or professional degree	9%	5%	7%	17%
Vocational, trade, or business school				
Less than 2 years	8%	11%	9%	2%
2 years or more	11%	14%	13%	6%
High-school graduation or less	20%	34%	19%	5%
Scholarships and grants				
Federal	43%	68%	48%	24%
Nonfederal	42%	46%	44%	38%
Total	59%	76%	63%	46%
Loans				
Federal	21%	25%	22%	17%
Nonfederal	34%	37%	36%	29%
Total	40%	44%	42%	35%
Work aid	32%	46%	33%	24%

—Comparable figure for 1972 not available.
† The measure of socio-economic status includes family income, parents' education, and father's occupation.

SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS

Unemployment Rates by Educational Level

	Less than 4 years of high school		4 years of high school		1 to 3 years of college		4 or more years of college	
	1970	1979	1970	1979	1970	1979	1970	1979
Men								
Age 18 and over	4.8%	8.3%	3.4%	5.5%	3.8%	4.2%	1.2%	1.8%
18 to 24	11.8%	17.6%	7.6%	10.0%	7.0%	8.0%	3.9%	4.0%
25 and over	4.1%	6.2%	2.4%	4.1%	2.7%	3.1%	1.1%	1.7%
25 to 54	4.2%	7.0%	2.4%	4.1%	2.5%	3.3%	1.0%	1.6%
55 and over	3.8%	4.7%	2.3%	3.9%	3.9%	1.9%	1.3%	2.6%
Women								
Age 18 and over	6.8%	10.4%	4.6%	6.0%	4.0%	4.3%	2.0%	3.0%
18 to 24	16.7%	22.2%	7.6%	10.2%	5.8%	5.7%	3.0%	4.0%
25 and over	5.5%	7.8%	3.5%	4.6%	3.0%	3.7%	1.8%	2.8%
25 to 54	6.2%	9.2%	3.8%	4.9%	3.7%	3.0%	2.0%	2.8%
55 and over	3.8%	4.6%	2.1%	3.2%	0.7%	3.4%	1.0%	2.4%

Note: Based on unemployment in March of each of the compared years.

SOURCE: BUREAU OF LABOR STATISTICS, U.S. DEPARTMENT OF LABOR

Proportion of Degrees Awarded to Women

Bachelor's Degrees

	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79
Agriculture and natural resources	9.7%	14.1%	18.3%	22.2%	24.6%	27.1%
Architecture and environmental design	14.8%	17.4%	19.2%	21.4%	23.7%	25.8%
Area studies	54.3%	55.1%	55.5%	56.0%	59.7%	58.2%
Biological sciences	31.5%	33.3%	34.8%	36.4%	38.7%	40.6%
Business and management	13.1%	16.4%	19.8%	23.6%	26.4%	30.7%
Communications	38.4%	40.5%	41.5%	44.3%	46.9%	49.9%
Computer and information sciences	16.4%	19.0%	19.8%	23.9%	25.8%	28.1%
Education	73.5%	73.3%	72.8%	72.2%	72.5%	73.2%
Engineering	1.6%	2.2%	3.2%	4.5%	6.7%	8.3%
Fine and applied arts	60.2%	61.9%	60.9%	61.4%	62.0%	62.5%
Foreign languages	76.4%	77.0%	76.4%	76.2%	76.1%	76.0%
Health professions	77.4%	77.8%	78.8%	79.2%	80.6%	82.0%
Home economics	96.4%	96.0%	95.9%	95.9%	95.6%	95.2%
Law	10.5%	14.2%	18.8%	27.5%	28.6%	40.4%
Letters	58.0%	57.3%	56.9%	56.7%	57.2%	58.0%
Library science	92.6%	92.5%	93.1%	90.9%	88.4%	94.6%
Mathematics	41.0%	42.0%	40.7%	41.6%	41.3%	41.7%
Military science	0.3%	0.0%	0.2%	0.3%	2.3%	3.5%
Physical sciences	16.6%	18.4%	19.2%	20.1%	21.5%	22.6%
Psychology	50.5%	52.7%	54.4%	56.7%	58.9%	61.3%
Public affairs and services	43.5%	45.6%	43.7%	45.1%	49.6%	53.5%
Social sciences	36.6%	37.4%	37.9%	39.4%	40.6%	42.0%
Theology	28.1%	27.4%	27.3%	25.7%	24.1%	25.6%
Interdisciplinary studies	37.1%	42.2%	45.0%	47.0%	47.2%	49.9%
All disciplines	44.4%	45.4%	45.6%	46.2%	47.2%	48.3%

Master's Degrees

	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79
Agriculture and natural resources	9.8%	11.8%	14.3%	14.6%	18.7%	20.2%
Architecture and environmental design	18.4%	20.3%	20.8%	22.5%	26.0%	28.5%
Area studies	38.9%	43.2%	45.3%	46.9%	47.8%	49.0%
Biological sciences	30.6%	30.0%	31.8%	33.8%	35.5%	37.7%
Business and management	6.6%	8.4%	11.6%	14.3%	16.9%	19.1%
Communications	36.8%	42.1%	41.8%	44.4%	49.2%	48.5%
Computer and information sciences	12.9%	14.7%	14.5%	16.7%	18.7%	18.8%
Education	59.9%	62.2%	64.3%	65.8%	67.7%	68.6%
Engineering	2.3%	2.4%	3.6%	4.4%	5.3%	6.1%
Fine and applied arts	45.9%	46.8%	48.9%	51.2%	52.1%	53.9%
Foreign languages	66.1%	66.9%	66.7%	69.5%	70.8%	69.6%
Health professions	60.2%	61.8%	66.5%	67.9%	70.3%	71.1%
Home economics	91.1%	89.3%	91.5%	91.1%	91.9%	91.2%
Law	7.1%	8.0%	12.0%	13.2%	14.6%	15.5%
Letters	56.6%	58.8%	58.3%	59.5%	61.8%	61.3%
Library science	77.8%	78.8%	78.3%	79.6%	80.0%	80.4%
Mathematics	31.0%	32.9%	34.0%	35.1%	44.0%	34.7%
Military science	0.0%	0.0%	0.0%	2.3%	2.2%	0.0%
Physical sciences	14.6%	14.5%	15.0%	16.6%	17.0%	18.2%
Psychology	39.8%	42.9%	46.7%	48.1%	52.0%	54.1%
Public affairs and services	45.3%	44.6%	45.3%	45.5%	47.9%	50.8%

	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79
Social sciences	28.8%	30.0%	31.6%	32.9%	33.2%	35.3%
Theology	27.2%	30.9%	32.1%	31.4%	30.5%	32.0%
Interdisciplinary studies	45.8%	47.7%	46.5%	37.1%	37.5%	38.8%
All disciplines	43.1%	44.8%	46.4%	47.1%	48.3%	49.1%

First-Professional Degrees

	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79
Chiropractic	*	*	9.3%	8.5%	10.0%	10.6%
Dentistry	2.0%	3.1%	4.5%	7.4%	11.2%	11.9%
Law, general	11.5%	15.1%	19.2%	22.5%	26.0%	28.5%
Medicine	11.2%	13.2%	16.2%	19.2%	21.5%	23.1%
Optometry	4.2%	5.0%	7.7%	11.0%	13.1%	13.0%
Osteopathic medicine	2.8%	5.3%	7.2%	8.8%	12.5%	15.7%
Pharmacy	*	*	29.6%	27.5%	30.2%	36.0%
Podiatry or podiatric medicine	1.1%	1.1%	2.6%	3.3%	4.8%	7.2%
Theological professions, general	5.5%	6.8%	7.6%	9.5%	11.3%	13.1%
Veterinary medicine	11.2%	15.9%	18.1%	22.5%	24.5%	28.9%
Other	26.1%	11.0%	10.0%	47.8%	*	*
All fields	9.9%	12.5%	15.6%	18.7%	21.5%	23.6%

* Data not available

SOURCE: "DEGREE AWARDS TO WOMEN," PUBLISHED BY NATIONAL CENTER FOR EDUCATION STATISTICS

How Colleges Aid This Year's Freshmen

Median percentages for private institutions

	Research & doctoral universities	Comprehensive institutions	4-year liberal arts colleges	2-year colleges	4-year institutions by tuition range: Under $3,000	$3,000 to $3,499	$3,500 to $4,499	Over $4,500	All private
Percentage of freshmen receiving aid [2]	46.3%	63.4%	61.4%	77.3%	72.9%	72.8%	60.8%	44.7%	**64.3%**
Percentage of freshman aid from various sources									
Pell Grants	7.2%	16.6%	14.6%	35.4%	26.7%	20.3%	14.8%	8.2%	**19.0%**
Supplemental grants	6.4%	5.1%	4.8%	5.8%	4.4%	6.0%	4.5%	5.3%	**5.1%**
State grants	7.0%	14.4%	16.7%	25.9%	15.9%	20.5%	22.2%	5.1%	**17.9%**
College grants	42.3%	21.5%	23.9%	5.0%	14.4%	16.8%	25.3%	42.6%	**20.4%**
Institutional loans	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**
National direct loans [3]	7.2%	8.7%	8.3%	2.3%	6.1%	13.3%	10.7%	6.4%	**7.0%**
Guaranteed loans [3]	8.1%	0.0%	0.0%	0.3%	1.0%	0.0%	0.0%	4.8%	**0.5%**
Work-study program	11.5%	9.4%	7.2%	7.1%	9.2%	9.0%	8.3%	7.3%	**7.7%**
Institutional employment	0.0%	0.3%	0.7%	0.3%	1.6%	0.9%	0.0%	0.0%	**0.5%**
Other financial aid	5.5%	3.6%	3.5%	1.8%	1.9%	2.3%	2.6%	6.3%	**3.2%**
Percentage of freshman tuition returned as student aid	19.6%	13.1%	14.2%	8.2%	12.4%	12.2%	13.7%	18.1%	**13.1%**

Median percentages for public institutions

	Research & doctoral universities	Comprehensive institutions	2-year colleges	Tuition range [1]: Under $900	Over $900	All public
Percentage of freshmen receiving aid [2]	41.7%	53.5%	38.5%	42.9%	47.1%	**42.7%**
Percentage of freshman aid from various sources						
Pell Grants	26.6%	39.9%	48.6%	37.7%	32.5%	**44.4%**
Supplemental grants	5.1%	4.8%	4.4%	4.2%	5.7%	**4.6%**
State grants	7.2%	11.1%	3.5%	4.6%	11.9%	**5.8%**
College grants	6.5%	4.3%	4.7%	5.2%	6.2%	**4.8%**
Institutional loans	0.1%	0.0%	0.0%	0.1%	0.0%	**0.0%**
National direct loans [3]	10.4%	7.8%	0.7%	7.8%	11.0%	**3.4%**
Guaranteed loans [3]	0.3%	0.0%	0.0%	3.5%	0.0%	**0.0%**
Work-study program	7.4%	9.5%	10.9%	10.0%	8.1%	**10.2%**
Institutional employment	0.3%	3.4%	1.2%	3.5%	0.0%	**1.7%**
Other financial aid	8.5%	2.0%	0.8%	2.1%	4.3%	**1.7%**
Percentage of freshman tuition returned as student aid	6.7%	4.4%	5.6%	6.8%	5.7%	**5.4%**

SOURCE: SURVEY FOR THE CHRONICLE BY JOHN MINTER ASSOCIATES

[1] Does not include two-year institutions

[2] Does not include freshmen who received aid only in form of loans from banks or other off-campus sources.

[3] Includes only loans administered by colleges and universities; not those administered by banks.

Note: Survey data are from a stratified random sample of 1,135 four-year and two-year colleges and universities. The response among private institutions was: Research and Ph.D.-granting, 21; comprehensive, 39; liberal arts, 90; all private institutions, 169. The response among public institutions was: Research and Ph.D.-granting, 31; comprehensive, 26; two-year, 59; all public institutions, 116. Results for "all private institutions," and "all public institutions" are weighted averages based upon the distribution of institutions by type.

Distribution of (and Reductions in) Student Loans

States	Final allocations for 1980-81	Tentative allocations for 1981-82	Percentage of 1980-81 funds allocated for 1981-82
Alabama	$ 4,411,225	$ 3,032,149	61.30%
Alaska	272,457	106,395	39.05%
Arizona	3,995,468	2,471,408	61.86%
Arkansas	2,315,598	1,457,592	62.95%
California	30,446,730	18,645,715	61.24%
Colorado	4,082,828	2,630,961	64.44%
Connecticut	3,723,400	2,188,563	58.78%
Delaware	694,520	476,005	68.54%
Florida	7,750,923	5,352,334	69.05%
Georgia	4,771,040	3,351,786	70.25%
Hawaii	962,102	704,278	73.20%
Idaho	1,156,062	691,801	59.84%
Illinois	13,963,298	8,202,893	58.75%
Indiana	7,344,307	4,034,327	54.93%
Iowa	4,970,385	2,654,513	53.41%
Kansas	2,516,764	1,898,675	75.44%
Kentucky	3,360,896	2,298,307	68.38%
Louisiana	4,753,250	2,934,258	61.73%
Maine	2,687,936	736,958	27.42%
Maryland	4,376,649	2,694,611	61.57%
Massachusetts	12,688,241	6,413,797	50.55%
Michigan	9,819,165	7,034,675	71.64%
Minnesota	6,196,582	4,024,214	64.94%
Mississippi	2,765,908	1,857,664	67.16%
Missouri	6,547,774	3,666,802	56.00%
Montana	873,145	643,581	73.71%
Nebraska	2,663,155	1,486,254	55.81%
Nevada	446,179	300,440	67.34%
New Hampshire	2,224,499	778,588	35.00%
New Jersey	6,157,535	3,873,173	62.90%
New Mexico	1,727,480	956,144	55.35%
New York	26,538,896	15,363,808	57.89%
North Carolina	6,681,355	4,424,314	
North Dakota	1,079,059	687,086	63.67%
Ohio	13,316,914	7,541,896	56.63%
Oklahoma	4,257,498	2,561,735	60.17%
Oregon	5,209,019	2,204,,750	42.33%
Pennsylvania	14,129,650	8,654,785	61.25%
Rhode Island	1,557,985	996,648	63.97%
South Carolina	3,116,824	1,947,623	62.49%
South Dakota	1,295,444	688,901	53.18%
Tennessee	4,774,390	3,333,922	69.83%
Texas	12,333,291	9,583,254	77.70%
Utah	2,020,580	1,612,401	79.80%
Vermont	1,675,375	542,383	32.37%
Virginia	5,223,079	3,601,047	68.94%
Washington	5,904,420	3,840,324	65.04%
West Virginia	2,361,218	1,350,499	57.20%
Wisconsin	7,159,090	4,215,509	58.88%
Wyoming	311,367	269,005	83.18%
District of Columbia	2,142,562	1,267,348	59.15%
Puerto Rico	3,009,403	2,285,392	75.94%
Virgin Islands	18,591	11,341	61.00%
Totals	**$284,781,511**	**$174,572,832**	**61.30%**

SOURCE: DEPARTMENT OF EDUCATION

Effects of Cutting Interest Subsidies for Guaranteed Student Loans

Amount borrowed	Total debt[1]	Monthly payments
$4,000		
Carter	$ 5,406.24	$ 64.36[2]
Reagan	6,865.32	81.73[2]
$10,000		
Carter	15,201.60	126.68[3]
Reagan	19,305.60	160.88[3]
$20,000		
Carter	30,402.00	253.35[3]
Reagan	39,979.20	333.16[3]

[1] Assumes interest that accrues while students are in college will be repaid after borrowers leave college.
[2] Repayment over seven years.
[3] Repayment over 10 years.

SOURCE: NATIONAL ASSOCIATION OF STUDENT FINANCIAL AID ADMINISTRATORS

5-Year Enrollment Trends Among Older Students

Population aged 25 through 34

	1979			Change from 1974		
	Men	Women	Total	Men	Women	Total
Total	16,715,000	17,674,000	34,389,000	+18.3%	+17.2%	+17.7%
In 2-year colleges	288,000	375,000	664,000	−16.5%	+70.5%	+17.5%
Full time	102,000	81,000	185,000	+ 3.0%	+52.8%	+21.7%
Part time	186,000	294,000	479,000	−24.4%	+76.0%	+16.0%
In 4-year colleges	460,000	402,000	862,000	0.0%	+62.8%	+21.9%
Full time	203,000	136,000	340,000	−14.0%	+33.3%	+ 1.2%
Part time	257,000	266,000	522,000	+14.7%	+83.4%	+40.7%
Undergraduates	749,000	777,000	1,526,000	+ 4.81%	+69.6%	+20.2%
Graduates	606,000	543,000	1,149,000	+ 6.9%	+48.8%	+23.3%

Population aged 35 and over

	1979			Change from 1974		
	Men	Women	Total	Men	Women	Total
Total	42,437,000	49,427,000	91,864,000	+ 6.5%	+ 6.6%	+ 6.6%
In college	487,000	914,000	1,402,000	+ 2.3%	+66.8%	+36.8%
Full time †	81,000	147,000	228,000	−22.9%	+42.7%	+ 9.1%
Part time †	402,000	764,000	1,166,000	+ 9.2%	+72.5%	+43.8%

† Full-time or part-time status was not indicated by 0.6 per cent of the students.

SOURCE: U.S. BUREAU OF THE CENSUS

Projected Increase in Enrollment of Older Students by 1990

Age group	Estimated enrollment in 1979	Proportion of population in 1979	Projected population in 1990	Projected enrollment in 1990	5-year change
14 through 17	311,000	1.9%	12,770,000	243,000	− 68,000
18 and 19	2,844,000	34.6%	7,195,000	2,489,000	−355,000
20 and 21	2,353,000	29.1%	7,311,000	2,128,000	−225,000
22 through 24	1,794,000	15.4%	10,641,000	1,639,000	−155,000
Total, 14 through 24	**7,302,000**	**16.6%**	**37,917,000**	**6,499,000**	**−803,000**
25 through 29	1,679,000	9.3%	20,169,000	1,876,000	+197,000
30 through 39	1,562,000	10.3%	40,178,000	2,085,000	+523,000
40 through 49	553,000	4.9%	31,220,000	781,000	+228,000
50 through 54	139,000	1.2%	11,422,000	137,000	− 2,000
55 through 64	111,000	0.5%	20,776,000	104,000	− 7,000
Total, 25 through 64	**4,044,000**	**3.2%**	**123,765,000**	**4,983,000**	**+939,000**

1979-80 Enrollment of Foreign Students

Institutions with 1,000 or More Students from Other Countries

Rank	Institution	Number of foreign students	Percentage of total enrollment
1.	University of Southern California	3,305	12.3%
2.	Los Angeles City College	3,000	16.3%
3.	Dade Community College	2,790	7.1%
4.	Texas Southern University	2,585	30.3%
5.	University of Texas at Austin	2,354	5.3%
6.	University of Wisconsin at Madison	2,092	5.2%
7.	Columbia University, main division	2,037	11.9%
8.	University of Michigan at Ann Arbor	1,941	5.4%
9.	University of California at Los Angeles	1,907	5.8%
10.	University of Washington	1,880	5.0%
11.	Northeastern University	1,844	4.5%
12.	George Washington University	1,824	7.9%
13.	University of Houston, central campus	1,813	6.4%
14.	University of Minnesota at Minneapolis-St. Paul	1,783	2.8%
15.	Massachusetts Institute of Technology	1,688	18.6%
16.	University of California at Berkeley	1,687	5.5%
17.	Howard University	1,657	15.6%
18.	University of Pennsylvania	1,648	7.5%
19.	Harvard University	1,645	8.7%
20.	Indiana University at Bloomington	1,630	5.1%
21.	University of Texas at Arlington	1,626	8.5%
22.	Ohio State University, main campus	1,589	3.0%
23.	University of Oklahoma at Norman	1,576	7.2%
24.	University of Kansas	1,560	5.9%
25.	New York University	1,510	4.6%
26.	Oklahoma State University, main campus	1,500	6.8%
27.	American University	1,487	12.2%
28.	University of Southwestern Louisiana	1,475	11.1%
29.	University of Illinois at Urbana-Champaign	1,448	4.2%
30.	University of San Francisco	1,434	22.6%
31.	University of Florida	1,398	4.3%
32.	Boston University	1,380	5.3%
33.	Michigan State University	1,379	2.9%
34.	North Texas State University	1,322	7.7%
35.	University of Arizona	1,317	4.5%
36.	Stanford University	1,316	9.9%
37.	Iowa State University	1,309	5.5%
38.	Louisiana State University at Baton Rouge	1,298	4.9%
39.	S.U.N.Y. at Buffalo, main campus	1,282	5.9%
40.	San Jose State University	1,255	4.9%
41.	University of Pittsburgh, main campus	1,251	4.3%
42.	United States International University	1,200	41.5%
43.	Portland State University	1,199	7.1%
44.	University of Missouri at Columbia	1,186	5.0%
45.	University of Miami	1,184	7.7%
46.	Cornell University	1,183	6.3%
47.	Southern Illinois University at Carbondale	1,168	5.1%
48.	Purdue University, main campus	1,164	3.6%
49.	California State University at Los Angeles	1,136	5.1%
50.	Texas A&M University, main campus	1,121	3.6%
51.	University of Hawaii at Manoa	1,115	5.4%
52.	University of Tennessee at Knoxville	1,107	3.6%
53.	Pennsylvania State University, main campus	1,105	3.1%
54.	Brigham Young University, main campus	1,089	3.7%
55.	University of Maryland at College Park	1,083	2.9%
56.	Syracuse University, main campus	1,064	5.3%
57.	Ohio University, main campus	1,061	7.5%
58.	California State University at Fresno	1,022	6.9%

Where They Come From

Rank	Country or territory	Graduate
1.	Iran	51,310
2.	Taiwan	17,560
3.	Nigeria	16,360
4.	Canada	15,130
5.	Japan	12,260
6.	Hong Kong	9,900
7.	Venezuela	9,860
8.	Saudi Arabia	9,540

Rank	Country or territory	Students
9.	India	8,760
10.	Thailand	6,500
11.	Lebanon	6,040
12.	Mexico	5,650
13.	Vietnam	5,050
14.	Republic of Korea	4,890
15.	Jordan	4,720

Rank	Country or territory	Students
16.	United Kingdom	4,280
17.	Malaysia	3,650
18.	Colombia	3,200
19.	Libya	3,030
20.	West Germany	3,000
21.	Greece	3,000
22.	Brazil	2,910
23.	Philippines	2,890

Rank	Country or territory	Students
24.	Israel	2,730
25.	Kuwait	2,670
26.	Pakistan	2,660
27.	Indonesia	2,440
28.	France	2,250
29.	Turkey	2,210
30.	Jamaica	2,150
31.	Pacific Islands	1,900
32.	Kenya	1,850
33.	Ghana	1,810
34.	Peru	1,740
35.	Egypt	1,650
36.	Algeria	1,560
37.	Australia	1,560
38.	Ethiopia	1,340
39.	Bahamas	1,330
40.	Iraq	1,220
41.	Panama	1,200
42.	Chile	1,190
43.	Nicaragua	1,170
44.	South Africa	1,170
45.	Cuba	1,130
46.	Italy	1,100
47.	Netherlands	1,100
48.	Trinidad and Tobago	1,030
49.	El Salvador	1,020
50.	Singapore	1,010

SOURCE: INSTITUTE OF INTERNATIONAL EDUCATION

Distribution of Foreign Students by Field of Study, 1978 and 1979

Field of study	1977-78 Number of foreign students	1977-78 Percentage of all foreign students	1978-79 Number of foreign students	1978-79 Percentage of all foreign students
Engineering				
Engineering	60,200	25.6	67,780	25.7
Mechanical and engineering technologies	7,670	3.2	8,250	3.1
Total	**67,870**	**28.8**	**76,030**	**28.8**
Business and management				
Business and management	37,360	15.8	40,080	15.2
Business and commerce technologies	2,180	0.9	3,420	1.3
Total	**39,540**	**16.8**	**43,500**	**16.5**
Natural and life sciences				
Physical sciences	12,180	5.7	12,360	4.7
Biological sciences	9,970	4.2	10,740	4.1
Natural science technologies	1,210	0.5	1,090	0.4
Total	**23,3600**	**9.9**	**24,190**	**9.2**
Social sciences				
Social sciences	13,920	5.9	14,100	5.4
Psychology	3,020	1.3	3,300	1.3
Area studies	3,180	1.3	2,730	1.0
Public affairs and services	2,570	1.1	2,390	0.9
Public service related technologies	620	0.3	840	0.3
Total	**23,310**	**9.9**	**23,360**	**8.9**
Humanities				
Letters	6,200	2.6	7,410	2.8
Foreign languages	2,900	1.2	4,080	1.6
Theology	2,710	1.2	3,470	1.3
Total	**11,810**	**5.0**	**14,960**	**5.7**
Education	**12,470**	**5.3**	**14,790**	**5.6**
Mathematics and computer science				
Computer and information sciences	5,660	2.4	7,250	2.8
Mathematics	5,590	2.4	6,400	2.4
Data processing technologies	1,050	0.4	1,090	0.4
Total	**12,300**	**5.2**	**14,740**	**5.6**
Fine and applied arts				
Fine and applied arts	6,930	2.9	9,350	3.5
Architecture and environmental design	5,310	2.3	4,770	1.8
Total	**12,240**	**5.2**	**14,120**	**5.3**
Health professions				
Health professions	9,320	4.0	10,370	3.9
Health services and paramedical technologies	1,500	0.6	2,100	0.8
Total	**10,820**	**4.6**	**12,470**	**4.7**
Agriculture	**8,660**	**3.7**	**8,710**	**3.3**
Other				
Interdisciplinary studies	6,450	2.8	9,130	3.4
Communications	3,140	1.3	3,690	1.4
Home economics	1,660	0.7	2,290	0.9
Law	1,200	0.5	1,230	0.5
Library science	620	0.3	640	0.2
Total	**13,130**	**5.6**	**17,070**	**6.4**
All fields	**235,510**	**100.0**	**263,940**	**100.0**

SOURCE: INSTITUTE OF INTERNATIONAL EDUCATION

Freshmen Characteristics and Attitudes

Characteristics

Age by December 31,1980:	
16 or younger	0.1%
17	2.6%
18	72.6%
19	18.9%
20	2.2%
21	0.9%
22	0.6%
23-25	1.0%
26-29	0.6%
30 or older	0.7%
Racial background:	
White/Caucasian	86.0%
Black/Negro/ Afro-American	9.2%
American Indian	0.8%
Oriental	1.4%
Mexican-American/ Chicano	2.1%
Puerto Rican-American	0.9%
Other	1.7%
Average grade in high school:	
A or A+	9.1%
A-	11.7%
B+	19.2%
B	27.0%
B-	13.3%
C+	11.8%
C	7.5%
D	0.4%
Academic rank in high school:	
Top 20%	39.0%
Second 20%	23.0%
Middle 20%	31.4%
Fourth 20%	5.7%
Lowest 20%	1.0
Year graduated from high school:	
1980	92.1%
1979	3.4%
1978	1.0%
1977 or earlier	2.1%
H. S. equivalency (G. E. D. test)	0.9%
Never completed high school	0.5%
Marital status:	
Not presently married	98.4%
Married, living with spouse	1.2%
Married, not living with spouse	0.4%
Veteran:	
No	98.4%
Yes	1.6%
High school program:	
College preparatory	86.3%
Other	13.7%
Type of high school:	
Public	86.2%
Private:	
Nondenominational	3.2%
Roman Catholic	9.4%
Jewish	0.1%
Other religious	1.2%
Have had remedial work in:	
English	6.6%
Reading	6.8%
Mathematics	8.3%
Social studies	6.0%
Science	5.7%
Foreign language	4.0%
Will need remedial work in:	
English	11.9%
Reading	5.2%
Mathematics	21.1%
Social studies	2.9%
Science	9.5%
Foreign language	8.7%
Physically handicapped:	
No	97.2%
Yes	2.8%
Type of handicap:	
Hearing	11.5%
Speech	3.3%
Visual	27.8%
Orthopedic	19.3%
Learning disability	5.6%
Other	14.0%
Does handicap require architectural accommodations:	
No	96.9%
Yes	3.1%
Residence planned during fall term:	
With parents, relatives	35.9%
Other private home or apartment	7.3%
College dormitory	53.3%
Fraternity/sorority house	0.6%
Other campus housing	1.9%
Other	0.9%
Residence preferred during fall term:	
With parents or relatives	20.4%
Other private home or apartment	23.7%
College dormitory	45.1%
Fraternity/sorority house	4.6%
Other campus housing	3.9%
Other	2.3%
Current religious preference:	
Jewish	3.2%
Protestant	34.0%
Roman Catholic	38.7%
Other	16.1%
None	8.1%
Are you a reborn Christian:	
No	72.7%
Yes	27.3%
Father's religious preference:	
Jewish	3.6%
Protestant	36.1%
Roman Catholic	38.1%
Other	15.2%
None	6.9%
Father's occupation:	
Artist (incl. performer)	0.8%
Businessman	28.8%
Clergy or religious worker	1.0%
College teacher or admin.	0.9%
Doctor or dentist	2.2%
Educator (secondary)	3.2%
Educator (elementary)	0.6%
Engineer	8.7%
Farmer or forester	3.9%
Health professional (non-M.D.)	1.2%
Lawyer	1.5%
Military career	1.7%
Research scientist	0.6%
Skilled worker	11.3%
Semi-skilled worker	5.6%
Laborer (unskilled)	3.7%
Unemployed	2.7%
Other occupation	21.6%
Father's education:	
Grammar school or less	6.2%
Some high school	11.7%
High school graduate	29.4%
Postsecondary other than college	4.3%
Some college	13.0%
College degree	19.1%

Father's Education (cont.)

Some graduate school	2.3%
Graduate degree	14.1%

Mother's religious preference:

Jewish	3.5%
Protestant	36.9%
Roman Catholic	39.6%
Other	16.1%
None	3.8%

Mother's occupation:

Artist (incl. performer)	1.2%
Businesswoman	6.8%
Business (clerical)	11.1%
Clergy or religious worker	0.1%
College teacher or admin.	0.3%
Doctor or dentist	0.2%
Educator (secondary)	2.8%
Educator (elementary)	5.4%
Engineer	0.1%
Farmer or forester	0.3%
Health professional (non-M.D.)	1.6%
Homemaker (full-time)	28.1%
Lawyer	0.1%
Nurse	6.7%
Research scientist	0.1%
Social, welfare, rec. worker	1.1%
Skilled worker	2.0%
Semi-skilled worker	3.4%
Laborer (unskilled)	2.5%
Unemployed	8.6%
Other occupation	15.7%

Mother's education:

Grammar school or less	4.2%
Some high school	9.7%
High school graduate	41.6%
Postsecondary other than college	6.8%
Some college	14.2%
College degree	15.6%
Some graduate school	2.1%
Graduate degree	5.9%

Number of older brothers:

None	45.1%
One	32.5%
Two	13.7%
Three or more	8.7%

Number of older sisters:

None	46.2%
One	32.2%
Two	13.6%
Three or more	8.1%

Number of younger brothers:

None	47.4%
One	36.4%
Two	12.0%
Three or more	4.2%

Number of younger sisters:

None	49.0%

Younger Sisters (cont.)

One	35.9%
Two	11.1%
Three or more	4.0%

Students estimate chances are very good that they will:

Change major field	11.8%
Change career choice	11.5%
Fail one or more courses	1.7%
Graduate with honors	12.1%
Be elected to student office	2.9%
Get a job to pay college expenses	40.0%
Join a social fraternity or sorority	16.9%
Live in a coeducational dorm	25.6%
Be elected to an honor society	7.7%
Make at least a "B" average	41.3%
Need extra time to complete degree	5.2%
Need tutoring in some courses	9.4%
Work at outside job	23.5%
Seek vocational counseling	6.0%
Seek individ. counseling	4.2%
Get a bachelor's degree	63.5%
Participate in student protests	4.5%
Drop out temporarily	1.2%
Drop out permanently	0.9%
Transfer to another college	10.7%
Be satisfied with college	54.0%
Find a job in a preferred field	69.6%
Marry while in college	5.1%
Marry within a year after college	16.6%

Number of other colleges applied to for admission this year:

None	39.7%
One	17.1%
Two	16.8%
Three	13.2%
Four	6.4%
Five	3.5%
Six or more	3.4%

Number of other college acceptances this year:

None	20.2%
One	30.3%
Two	23.8%
Three	15.0%
Four	6.2%
Five	2.4%
Six or more	2.1%

College attended is student's:

First choice	75.8%
Second choice	18.4%
Third choice	4.0%
Less than third choice	1.8%

Distance from home to college:

5 miles or less	11.4%
6-10 miles	12.4%
11-50 miles	26.5%
51-100 miles	15.3%
101-500 miles	26.5%
More than 500 miles	7.9%

Reasons noted as very important in deciding to go to college:

Parents' wishes	31.5%
Could not find job	5.8%
Wanted to get away from home	8.9%
Able to get a better job	77.1%
Gain general education	66.7%
Improve reading-study skills	39.3%

Reasons noted as very important in deciding to go to college (cont.)

Nothing better to do	2.1%
Become a more cultured person	34.4%
Able to make more money	63.4%
Learn more about things	74.6%
Meet new, interesting people	56.2%
Prepare for graduate school	46.0%

Reasons noted as very important in selecting college attended:

Relatives' wishes	6.4%
Teacher's advice	4.4%
Good academic reputation	50.8%
Offered financial assistance	16.2%
Advice of former student	15.1%
Offers special programs	27.3%
Low tuition	17.0%
Advice of guidance counselor	8.1%
Wanted to live at home	11.1%
Friend's suggestion	7.3%
College recruited him	4.9%
Not accepted elsewhere	2.5%

Highest degree planned at college attended:

None	4.7%
Associate (or equiv.)	26.1%
Bachelor's (B.A., B.S.)	51.9%
Master's (M.A., M.S.)	10.4%
Ph.D. or Ed.D.	1.4%

Highest degree planned at college attended (cont.)	
M.D., D.O., D.D.S., or D.V.M.	1.6%
L.L.B. or J.D.	1.0%
B.D. or M.Div.	0.4%
Other	2.4%
Highest degree planned anywhere:	
None	2.4%
Associate (or equiv.)	8.2%
Bachelor's (B.A., B.S.)	37.6%
Master's (M.A., M.S.)	29.7%
Ph.D. or Ed.D.	7.9%
M.D., D.O., D.D.S., or D.V.M.	6.4%
L.L.B. or J.D.	4.3%
B.D. or M.Div.	0.5%
Other	2.9%

Probable field of study:	
Accounting	6.2%
Aeronautical engineering	1.1%
Agriculture and forestry	2.2%
Anthropology	0.1%
Architecture, urban planning	1.2%
Art, fine and applied	2.4%
Arts and humanities (misc.)	0.6%
Astronomy	0.1%
Atmospheric science	0.1%
Biochemistry or biophysics	0.4%
Biological sciences (misc.)	0.6%
Biology (general)	1.6%
Botany	0.1%
Building trades	0.5%
Business (misc.)	1.2%
Business admin. (general)	7.2%
Business education	0.2%
Chemical engineering	1.1%
Chemistry	0.8%
Civil engineering	1.2%
Communications	1.9%
Computer science	2.5%
Data-processing, computer programming	2.4%
Drafting or design	0.7%
Earth science	0.3%
Economics	0.4%
Education (misc.)	0.4%
Electrical or electronic engr.	3.8%
Electronics	1.0%
Elementary education	2.6%
Engineering (misc.)	1.8%
English	0.9%
Finance	0.6%
Foreign language	0.4%
Geography	0.0%
Health technology	2.1%
History	0.6%

Probable field of study (cont.)	
Home economics	0.6%
Industrial engineering	0.5%
Forestry	0.7%
Journalism	1.5%
Law enforcement	1.4%
Library or archival science	0.0%
Management	4.3%
Marine science	0.2%
Marine-life science	0.4%
Marketing	1.8%
Mathematics	0.6%
Mechanical engineering	2.3%
Mechanics	0.6%
Microbiology or bacteriology	0.2%
Military science	0.1%
Music	1.3%
Music and art education	0.4%
Nursing	3.8%
Pharmacy	0.4%
Philosophy	0.1%
Physical education	1.7%
Physical sciences (misc.)	0.1%
Physics	0.4%
Political science	2.0%
Pre-dental, pre-medical, pre-veterinary	3.4%
Professional (misc.)	1.5%
Psychology	2.2%
Secondary education	0.7%
Secretarial studies	2.6%
Social work	1.4%
Social sciences (misc.)	0.2%
Sociology	0.4%
Special education	1.7%
Speech	0.1%
Statistics	0.0%
Theater and drama	0.8%
Theology and religion	0.2%
Therapy	1.6%
Zoology	0.4%
Other fields	1.1%
Other technical fields	0.5%
Undecided	4.7%

Probable career occupation:	
Accountant or actuary	5.8%
Actor or entertainer	0.9%
Architect or urban planner	1.7%
Artist	1.9%
Business (clerical)	2.2%
Business executive	10.1%
Business proprietor	2.6%
Business salesperson or buyer	1.2%
Clergy (minister or priest)	0.3%
Clergy (misc.)	0.1%

Probable career (cont.)	
Clinical psychologist	0.9%
College teacher	0.2%
Computer programmer or analyst	5.3%
Conservationist or forester	1.0%
Dentist	0.9%
Dietitian or home economist	0.4%
Educator (elementary)	3.8%
Educator (secondary)	2.2%
Engineer	10.7%
Farmer or rancher	1.2%
Foreign service worker	0.5%
Homemaker (full-time)	0.1%
Interior decorator	0.5%
Interpreter	0.2%
Journalist or writer	2.0%
Lab technician or hygienist	1.5%
Law enforcement officer	1.2%
Lawyer or judge	4.1%
Military service	0.9%
Musician	1.2%
Nurse	3.8%
Optometrist	0.2%
Pharmacist	0.5%
Physician	3.5%
Research scientist	1.7%
School counselor	0.2%
Social, welfare, or rec. worker	1.9%
Statistician	0.1%
Therapist	2.0%
Veterinarian	1.2%
Skilled trades	1.8%
Other occupation	7.0%
Undecided	10.1%

Estimated parental income:	
Less than $6,000	7.4%
$6,000-$7,999	3.4%
$8,000-$9,999	3.8%
$10,000-$12,499	7.0%
$12,500-$14,999	6.7%
$15,000-$19,999	12.4%
$20,000-$24,999	16.5%
$25,000-$29,999	10.9%
$30,000-$34,999	9.4%
$35,000-$39,999	6.1%
$40,000-$49,999	7.1%
$50,000-$99,999	7.1%
$100,000 or more	2.2%

Persons currently dependent on parents for support:	
One	5.9%
Two	9.9%
Three	20.6%
Four	25.7%
Five	21.3%
Six or more	16.6%

Number of other dependents currently attending college:	
None	66.3%

Number of other dependents currently attending college (cont.)

One	24.8%
Two	6.5%
Three or more	2.5%

Concern about financing college:

No concern	32.3%
Some concern	52.2%
Major concern	15.4%

Support from parental aid:

None	31.2%
$1-$499	21.0%
$500-$999	11.3%
$1,000-$1,499	8.4%
$1,500-$2,000	6.9%
Over $2,000	21.2%

Support from spouse:

None	99.1%
$1-$499	0.5%
$500-$999	0.1%
$1,000-$1,499	0.1%
$1,500-$2,000	0.1%
Over $2,000	0.1%

Support from basic educational opportunity grant:

None	68.5%
$1-$499	10.7%
$500-$999	9.6%
$1,000-$1,499	6.5%
$1,500-$2,000	3.4%
Over $2,000	1.3%

Basic educational opportunity grant:

Heard of the program	67.5%
Applied for aid	46.6%
Qualified for aid	32.1%

Support from supplemental educational opportunity grant:

None	92.0%
$1-$499	3.7%
$500-$999	2.5%
$1,000-$1,499	1.3%
$1,500-$2,000	0.4%
Over $2,000	0.2%

Support from state scholarship or grant:

None	84.0%
$1-$499	8.0%
$500-$999	4.3%
$1,000-$1,499	2.0%
$1,500-$2,000	1.1%
Over $2,000	0.5%

Support from college grant:

None	87.2%
$1-$499	4.4%
$500-$999	3.4%
$1,000-$1,499	2.1%
$1,500-$2,000	1.1%
Over $2,000	1.6%

Support from college work-study grant:

None	85.5%
$1-$499	6.0%
$500-$999	5.9%
$1,000-$1,499	2.1%
$1,500-$2,000	0.4%
Over $2,000	0.2%

Support from personal G.I. benefits:

None	99.1%
$1-$499	0.3%
$500-$999	0.2%
$1,000-$1,499	0.1%
$1,500-$2,000	0.1%
Over $2,000	0.3%

Support from parent's G.I. benefits:

None	98.9%
$1-$499	0.5%
$500-$999	0.2%
$1,000-$1,499	0.1%
$1,500-$2,000	0.1%
Over $2,000	0.2%

Support from other private grants:

None	92.8%
$1-$499	3.6%
$500-$999	1.8%
$1,000-$1,499	0.9%
$1,500-$2,000	0.5%
Over $2,000	0.5%

Support from full-time employment:

None	97.7%
$1-$499	1.0%
$500-$999	0.6%
$1,000-$1,499	0.3%
$1,500-$2,000	0.1%
Over $2,000	0.3%

Support from part-time employment:

None	75.2%
$1-$499	17.0%
$500-$999	5.1%
$1,000-$1,499	1.6%
$1,500-$2,000	0.5%
Over $2,000	0.5%

Support from summer work:

None	56.9%
$1-$499	23.6%
$500-$999	11.7%
$1,000-$1,499	4.7%
$1,500-$2,000	1.7%
Over $2,000	1.4%

Support from other savings:

None	81.4%
$1-$499	11.8%
$500-$999	3.2%
$1,000-$1,499	1.6%
$1,500-$2,000	0.8%
Over $2,000	1.3%

Federal guaranteed student loan:

Heard of program	38.1%
Applied for aid	14.5%
Qualified for aid	14.3%

Support from federal guaranteed student loan:

None	79.1%
$1-$499	2.1%
$500-$999	2.6%
$1,000-$1,499	3.8%
$1,500-$2,000	4.3%
Over $2,000	8.0%

Support from college loan:

None	95.7%
$1-$499	1.0%
$500-$999	0.9%
$1,000-$1,499	0.8%
$1,500-$2,000	0.7%
Over $2,000	1.0%

Support from national direct student loan:

None	90.9%
$1-$499	2.3%
$500-$999	2.6%
$1,000-$1,499	2.2%
$1,500-$2,000	0.9%
Over $2,000	1.2%

Support from other loan:

None	96.0%
$1-$499	0.8%
$500-$999	0.7%
$1,000-$1,499	0.7%
$1,500-$2,000	0.7%
Over $2,000	1.0%

Support from social security benefits:

None	94.3%
$1-$499	2.5%
$500-$999	1.1%
$1,000-$1,499	0.8%
$1,500-$2,000	0.5%
Over $2,000	0.8%

Other sources of support:

None	96.2%
$1-$499	1.5%
$500-$999	0.6%
$1,000-$1,499	0.3%
$1,500-$2,000	0.2%
Over $2,000	1.2%

Attitudes

	2-year colleges		4-year colleges			
	Public	Private	Public	Pvt., non-sectarian	Protestant	Catholic
Student's political views:						
Far left	2.7%	2.8%	2.0%	1.7%	1.5%	1.3%
Liberal	17.7%	15.7%	19.4%	23.9%	17.7%	18.9%
Middle-of-the-road	64.2%	65.0%	60.0%	54.9%	55.2%	60.2%
Conservative	14.0%	15.1%	17.4%	18.5%	24.2%	18.6%
Far right	1.4%	1.4%	1.3%	1.0%	1.4%	1.0%
Student agrees strongly or somewhat that:						
Government isn't controlling pollution	80.3%	82.4%	80.3%	80.8%	78.3%	81.0%
Government isn't protecting consumer	77.7%	78.4%	76.3%	73.8%	72.6%	75.0%
Federal government discourages energy use	81.9%	83.8%	83.4%	84.6%	81.6%	84.6%
Courts are too concerned with rights of criminals	67.2%	64.8%	66.1%	63.5%	65.9%	64.0%
Money is needed to solve urban problems	52.1%	50.5%	50.7%	46.9%	46.2%	47.4%
People should not obey laws that violate their beliefs	35.0%	30.8%	30.9%	32.2%	32.5%	31.7%
Inflation is the country's biggest domestic problem	82.7%	82.5%	82.1%	77.7%	77.1%	78.6%
The death penalty should be abolished	34.3%	38.1%	34.9%	36.2%	34.6%	40.8%
Government should provide a national health care plan	63.8%	62.5%	59.8%	55.8%	50.3%	57.9%
An energy shortage is causing a depression	86.5%	87.0%	88.5%	87.9%	86.3%	86.7%
Abortion should be legalized	53.6%	49.8%	54.7%	58.0%	44.1%	31.2%
Women should be subject to the draft	53.8%	42.7%	51.4%	57.7%	46.8%	51.2%
Grading in high school is too easy	56.7%	53.0%	59.3%	62.7%	62.8%	59.6%
Women's activities should be confined to the home	29.3%	29.0%	27.1%	24.1%	29.9%	24.6%
Couples should live together before marriage	49.1%	42.2%	42.0%	44.7%	28.0%	32.6%
Large families should be discouraged	45.3%	40.6%	43.4%	47.1%	44.4%	30.3%
Divorce laws should be liberalized	51.8%	47.1%	47.3%	45.1%	33.5%	33.1%
It is all right for people who like each other to have sex	52.3%	43.7%	47.6%	49.7%	31.7%	33.6%
Women should have job equality	91.8%	93.2%	93.4%	94.6%	92.5%	94.2%
The wealthy should pay a larger share of taxes	73.2%	69.2%	72.0%	67.5%	68.0%	67.6%
Marijuana should be legalized	43.5%	37.6%	38.2%	40.0%	25.7%	33.3%
It is all right to bus to achieve balance	50.6%	52.2%	47.5%	44.2%	44.5%	43.1%
Homosexual relations should be prohibited	51.2%	50.2%	50.8%	43.0%	57.5%	46.0%
College has the right to regulate off-campus behavior	16.2%	17.0%	15.9%	14.9%	20.0%	13.6%
Students should help evaluate faculty	69.4%	69.3%	70.7%	72.7%	69.4%	71.1%
College grades should be abolished	17.6%	16.3%	15.9%	14.3%	14.6%	15.3%
Student publications should be regulated	44.7%	50.3%	42.9%	36.1%	48.2%	41.2%
College has the right to ban speakers	28.4%	27.4%	26.4%	22.7%	30.9%	24.8%
The disadvantaged should get preferential treatment	41.4%	43.2%	39.2%	35.0%	40.7%	33.6%
Public colleges should adopt open admissions	43.4%	40.9%	31.9%	28.3%	33.2%	32.7%
The same degree standard should be used for all	87.7%	87.4%	91.0%	92.4%	90.8%	92.1%
Objectives student considers essential or very important:						
Achieving in a performing art	9.8%	11.3%	13.0%	15.1%	14.5%	12.0%
Becoming an authority in his field	69.9%	70.4%	74.9%	74.4%	71.9%	72.2%
Obtaining recognition from colleagues	50.9%	53.0%	56.6%	56.2%	50.6%	54.4%
Influencing the political structure	13.4%	13.2%	16.5%	19.4%	18.0%	18.8%
Influencing social values	28.9%	33.4%	33.8%	34.3%	39.5%	37.8%
Raising a family	61.4%	63.5%	63.8%	62.8%	66.7%	68.7%
Having administrative responsibility	38.7%	37.0%	39.7%	36.3%	36.2%	38.8%
Being very well-off financially	65.3%	60.4%	64.6%	60.8%	53.3%	57.1%
Helping others who are in difficulty	60.9%	67.8%	67.5%	67.1%	70.3%	70.9%

students

	2-year colleges		4-year colleges			
	Public	Private	Public	Pvt., non-sectarian	Protestant	Catholic
Making a theoretical contribution to science	13.6%	10.5%	14.6%	15.9%	12.8%	14.0%
Writing original works	10.7%	11.4%	12.9%	15.1%	13.2%	13.6%
Creating an artistic work	14.2%	19.1%	13.7%	16.9%	13.5%	13.4%
Being successful in his own business	51.1%	52.3%	47.5%	48.5%	47.4%	47.1%
Helping to clean up environment	27.2%	28.2%	26.1%	28.4%	25.6%	25.4%
Developing a philosophy of life	44.4%	46.8%	51.3%	56.6%	58.0%	55.5%
Participating in community action	23.9%	26.6%	29.7%	29.6%	32.2%	31.1%
Promoting racial understanding	29.0%	33.7%	36.1%	38.4%	39.5%	36.5%
Keeping up with political affairs	31.8%	30.7%	40.3%	47.7%	44.0%	45.9%

	Universities		Predominantly black colleges		All institutions		
Student's political views:	Public	Private	Public	Private	Men	Women	Total
Far left	1.4%	1.3%	6.1%	4.1%	2.2%	1.9%	2.1%
Liberal	21.6%	25.6%	21.4%	26.6%	20.3%	18.9%	19.6%
Middle-of-the-road	57.5%	49.7%	50.4%	50.2%	55.8%	64.0%	60.0%
Conservative	18.5%	22.2%	17.5%	17.0%	20.0%	14.4%	17.1%
Far right	0.9%	1.2%	4.7%	2.1%	1.7%	0.8%	1.2%
Student agrees strongly or somewhat that:							
Government isn't controlling pollution	77.7%	78.8%	76.7%	78.8%	75.8%	83.5%	79.8%
Government isn't protecting consumer	71.9%	68.3%	76.3%	78.5%	71.6%	78.6%	75.2%
Federal government discourages energy use	83.5%	84.1%	76.4%	77.0%	80.1%	85.7%	83.0%
Courts are too concerned with rights of criminals	65.8%	63.3%	52.5%	52.4%	70.5%	61.6%	65.9%
Money is needed to solve urban problems	45.0%	44.6%	63.5%	64.4%	49.7%	48.7%	49.2%
People should not obey laws that violate their beliefs	29.7%	30.8%	43.6%	38.5%	34.9%	29.9%	32.3%
Inflation is the country's biggest domestic problem	79.2%	75.2%	83.4%	82.4%	78.6%	82.6%	80.7%
The death penalty should be abolished	31.4%	35.1%	59.1%	52.3%	28.0%	40.5%	34.5%
Government should provide a national health care plan	50.8%	48.3%	77.1%	71.4%	55.3%	60.8%	58.1%
An energy shortage is causing a depression	87.8%	87.1%	82.1%	85.5%	86.3%	88.3%	87.3%
Abortion should be legalized	57.4%	57.0%	54.0%	59.7%	53.3%	53.8%	53.6%
Women should be subject to the draft	57.1%	62.3%	40.4%	38.3%	69.6%	38.9%	53.7%
Grading in high school is too easy	63.2%	65.6%	41.3%	43.4%	61.5%	58.0%	59.7%
Women's activities should be confined to the home	22.7%	19.4%	42.8%	34.1%	34.7%	19.0%	26.6%
Couples should live together before marriage	41.0%	42.4%	47.9%	44.5%	49.5%	37.9%	43.4%
Large families should be discouraged	47.5%	46.6%	36.2%	32.1%	50.1%	39.9%	44.8%
Divorce laws should be liberalized	43.4%	40.6%	59.3%	59.0%	49.4%	43.4%	46.3%
It is all right for people who like each other to have sex	48.4%	47.4%	54.6%	48.5%	64.6%	32.4%	47.9%
Women should have job equality	94.7%	96.0%	88.2%	91.5%	89.9%	96.4%	93.3%
The wealthy should pay a larger share of taxes	68.3%	61.3%	70.2%	74.0%	71.1%	69.6%	70.3%
Marijuana should be legalized	38.3%	38.0%	44.6%	38.6%	42.1%	36.6%	39.3%
It is all right to bus to achieve balance	37.1%	38.8%	75.1%	71.4%	43.3%	48.2%	45.8%
Homosexual relations should be prohibited	45.7%	36.1%	55.3%	51.0%	58.1%	40.3%	48.9%
College has the right to regulate off-campus behavior	11.7%	11.2%	33.8%	27.8%	16.6%	13.8%	15.2%
Students should help evaluate faculty	73.9%	75.4%	65.6%	63.7%	71.1%	71.1%	71.1%
College grades should be abolished	13.1%	12.4%	30.0%	20.8%	17.7%	13.6%	15.6%
Student publications should be regulated	34.5%	27.8%	59.3%	53.8%	40.0%	42.4%	41.2%

	Universities		Predominantly black colleges		All institutions		
	Public	Private	Public	Private	Men	Women	Total
College has the right to ban speakers	23.2%	18.8%	39.3%	29.5%	27.9%	24.4%	26.1%
The disadvantaged should get preferential treatment	32.5%	27.5%	63.2%	60.2%	38.6%	37.2%	37.9%
Public colleges should adopt open admissions	27.5%	22.1%	57.4%	44.9%	35.8%	33.7%	34.7%
The same degree standard should be used for all	92.6%	95.2%	85.3%	88.2%	89.7%	91.0%	90.3%
Objectives student considers essential or very important:							
Achieving in a performing art	12.2%	15.4%	20.5%	17.9%	10.7%	13.2%	12.0%
Becoming an authority in his field	77.0%	76.9%	76.2%	81.1%	74.7%	71.7%	73.1%
Obtaining recognition from colleagues	57.8%	60.1%	61.3%	67.2%	56.4%	52.5%	54.4%
Influencing the political structure	17.6%	22.5%	27.6%	29.9%	20.1%	12.6%	16.2%
Influencing social values	31.7%	34.3%	41.6%	47.6%	29.4%	34.8%	32.2%
Raising a family	63.1%	64.2%	58.2%	57.9%	62.5%	63.6%	63.1%
Having administrative responsibility	40.2%	37.3%	47.5%	49.8%	40.5%	37.0%	38.7%
Being very well-off financially	65.2%	61.1%	74.5%	78.1%	69.4%	57.8%	63.3%
Helping others who are in difficulty	63.8%	66.1%	70.5%	76.7%	56.0%	72.7%	64.7%
Making a theoretical contribution to science	17.2%	20.7%	21.5%	22.9%	18.5%	11.5%	14.9%
Writing original works	12.9%	16.6%	17.7%	18.2%	11.1%	13.8%	12.5%
Creating an artistic work	13.8%	13.8%	21.1%	15.3%	12.1%	16.5%	14.4%
Being successful in his own business	49.2%	46.6%	64.1%	66.3%	55.4%	43.6%	49.3%
Helping to clean up environment	26.1%	25.2%	37.6%	37.7%	28.1%	25.4%	26.7%
Developing a philosophy of life	52.9%	60.3%	57.8%	67.7%	48.7%	52.1%	50.4%
Participating in community action	27.8%	28.6%	43.7%	48.2%	24.1%	30.3%	27.4%
Promoting racial understanding	30.6%	38.1%	62.5%	71.7%	30.1%	35.8%	33.1%
Keeping up with political affairs	46.3%	57.7%	43.3%	53.2%	45.4%	35.0%	40.0%

SOURCE: "THE AMERICAN FRESHMAN: NATIONAL NORMS FOR FALL, 1980," BY ALEXANDER W. ASTIN, PUBLISHED BY AMERICAN COUNCIL ON EDUCATION AND UNIVERSITY OF CALIFORNIA AT LOS ANGELES

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faculty members and administrators

Great Teachers, 1980

Nominations for the Professor of the Year Award were solicited from the more than 2,000 institutional members of the Council for Advancement and Support of Education; 119 nominations were received, and are listed below. Among the criteria were: extraordinary effectiveness as teachers and/or scholars; extraordinary service to the institution and the profession; a balance of achievement in teaching, research, and service; and evidence of direct impact upon and involvement with students and former students. The jury to select the best of these was chaired by Ernest L. Boyer, president of the Carnegie Foundation for the Advancement of Teaching, and included ten other outstanding persons from Academia and public life.

The American University (DC)
Martha C. Sager*, Biology

Andrews University (MI)
Bill Chobotar, Biology

Arkansas State University
Emma Sue Davidson, Elementary Education

Babson College (MA)
Earl K. Bowen, Mathematics

Birmingham-Southern College (AL)
Paul Clinton Bailey, Biology

Boston University (MA)
Dennis D. Berkey*, Mathematics

Bowling Green State University (OH)
Robert Romans, Biology

University of Bridgeport (CT)
Roger S. Pressman, Computer Engineering

Brigham Young University (UT)
Larry T. Wimmer*, Economics

Brown University (RI)
Thomas Mutch, Geological Science

Butler University (IN)
Jack L. Eaton, Music

University of California/Berkeley
Marian Cleeves Diamond*, Anatomy

University of California/Santa Cruz
Elliot Aronson*, Psychology

California State University/Fresno
H. Roger Tatarian, Journalism

Case Institute of Technology of Case Western Reserve University (OH)
Harry W. Mergler, Engineering

Catawba College (NC)
Sanford R. Silverburg, Political Science

Clark College (GA)
Gloria P. Walker, Communications

Clarkson College (NY)
Egon Matijevic, Chemistry

Clemson University (SC)
Louis L. Henry, English

Colby College (ME)
Henry A. Gemery*, Economics

Colgate University (NY)
Anthony F. Aveni*, Astronomy and Anthropology

The Colorado College
William R. Hochman, History

Colorado State University
Robert M. Lawrence, Political Science

University of Delaware
William I. Homer, Art History

Eastern Mennonite College (VA)
Daniel B. Suter, Biology

Eastern Washington University
S.M. Jameel Hasan, Management
John D. Massengale, Physical Education

Eckerd College (FL)
William B. Roess, Biology

Elon College (NC)
John Greenfelder Sullivan, Philosophy

Emory University (GA)
James Harvey Young*, History

Ferrum College (VA)
Joseph D. Stogner, Biology

Framingham State College (MA)
Joan N. Broadcorens, Home Economics

George Mason University (VA)
Evelyn Cohelan, Nursing
Bruce B. Manchester, Communications

The University of Georgia
Dean Rusk, International Law

Georgia Institute of Technology
William Erven Sayle, II, Engineering
Anderson D. Smith, Psychology

Graceland College (IA)
Velma N. Ruch, English

Grinnell College (IA)
Joseph Frazier Wall, History

Harvard University (MA)
Emily Dickinson Townsend Vermeule, Classics

University of Houston (TX)
Richard I. Evans, Psychology

Indiana State University/Evansville
Melvin W. Denner, Biology

Iona College (NY)
George B. Pepper, Philosophy

James Madison University (VA)
Virginia Andreoli Mathie, Psychology

faculty members and administrators

Juniata College (PA)
Earl C. Kaylor, Jr., Religion and History

The University of Kansas
Clark E. Bricker*, Chemistry

Kentucky State University
Henry E. Cheaney, History and Political Science

King's College (PA)
John S. Davis*, Accounting

Lawrence Institute of Technology (MI)
Jerry L. Crist, Chemistry

Lehigh University (PA)
Jay Richard Aronson, Economics

Lincoln University (PA)
Judith A. Thomas, Education
Willie Williams, Jr., Physics

Loma Linda University (CA)
V. Bailey Gillespie, Religion

University of Maryland
Elizabeth Anne Rankin, Nursing

Marymount College of Virginia
Sister Marie de Sales Boran, History
Phillipa B. Stevens, Education

Massasoit Community College (MA)
John Chase, Communications
Marilyn Maxwell, English

University of Miami (Fl.)
Howard Pospesel, Philosophy

Miami-Dade Community College (FL)
William T. Primus, Behavioral Studies

Missouri Southern State College
Grace C. Mitchell, English

Montana College of Mineral Science and Technology
Larry G. Twidwell, Engineering

Morehead State University (KY)
Ruth Barnes, English
Jules R. Dubar*, Geophysical Science

University of Nebraska/Lincoln
Jerry L. Petr, Economics

Univ of Nebraska/Lincoln (Cont.)
David Whitehead Brooks*, Chemistry

University of Nebraska/Omaha
John R. Anstey, Management and Organizational Behavior

University of New Hampshire
Filson H. Glanz, Engineering
Allen B. Linden, History

University of New Mexico
William F. Coleman, Chemistry

State University of New York/Morrisville
Shirley A. Crawford, Biology

State University of New York/Brockport
Kazumi Nakano, Mathematics
W. Raymond Duncan, Political Science

State University of New York/Oswego
Joseph A. Wiecha, German

Northeastern University (MA)
Edith Elizabeth Flynn, Criminal Justice

Ocean County College (NJ)
William J. Rickert, Mathematics

The Ohio State University
Simon Dinitz*, Sociology

Ohio Wesleyan University
Verne E. Edwards*, Journalism

University of Oklahoma
Thomas J. Hill, Mathematics

Oklahoma State University
Joe H. Mize, Engineering

Oscar Rose Junior College (OK)
James H. Lazalier, History

The Pennsylvania State University
Arthur Goldschmidt, Jr.*, History

University of Richmond, (VA)
John R. Rilling*, History

Rose-Hulman Institute of Technology (IN)
Herman A. Moench, Engineering

Rutgers Univ/Livingston College (NJ)
William Carey McWilliams*, Political Science

College of St. Catherine (MN)
Alan N. Graebner, History

Saint Francis College (PA)
Albert A. Zanzuccki*, Accounting

Saint John's University/ Notre Dame College (NJ)
Thomas D. Houchin, Speech

Saint John's University (NY)
Richard A. Lockshin*, Biology

Saint Joseph's University (PA)
James E. Dougherty*, Political Science

Saint Mary's College (MN)
Richard N. Kowles, Biology

Saint Peter's College (NJ)
Alessandro C. Calianese, Computer Science

St. Petersburg Junior College (FL)
Barbara Hull, Speech

College of St. Scholastica (NY)
Sister Mary Richard Boo, Languages and Literature

Saint Vincent College (PA)
Michael Wayne Bosko, Mathematics

University of San Diego (CA)
DeForest L. Strunk, Special Education

San Diego State University (CA)
Mary Eleanor Clark*, Biology

University of South Dakota
Ray T. DeVilbiss, Music
Frank A. Einhellig, Biology

Southern Missionary College (TN)
Ray Alden Hefferlin*, Physics

University of Southern Mississippi
Nettie Etoile Dubard*, Speech and Hearing Sciences

Southwestern Adventist College (TX)
Erwin Sicher, History

Spartanburg Methodist College (SC)
Shannon Wilkerson, History

The University of Texas/Arlington
Allan Saxe, Political Science

faculty members and administrators

Trinity College (CT)
George B. Cooper*, History

Trinity University (TX)
R. Douglas Brackenridge, Religion

University of Vermont
Samuel N. Bogorad, English

Vincennes University (IN)
Jay Albert Bardole, Chemistry

Texas Christian University
Michael D. McCracken*, Biology
Emmet G. Smith, Music

Texas Lutheran College
Richard L. Torgerson, Biology

Thomas Jefferson University (PA)
Mary D. Naylor, Nursing

Transylvania University (KY)
Monroe Moosnick, Chemistry

Washington State University
Glenn Arthur Crosby*, Chemistry

College of William and Mary (VA)
James C. Livingston*, Religion

William Jewell College (MO)
Wasley Lee Forbis, Music
Ann Marie Shannon, English

* FINALISTS IN THE JUDGING

Nominations, from students, alumni, fellow faculty, and administrators, included 15 persons from the field of Biology, 15 from History, eight from Chemistry, and seven each from English, Political Science, and Engineering.

Professor of the Year

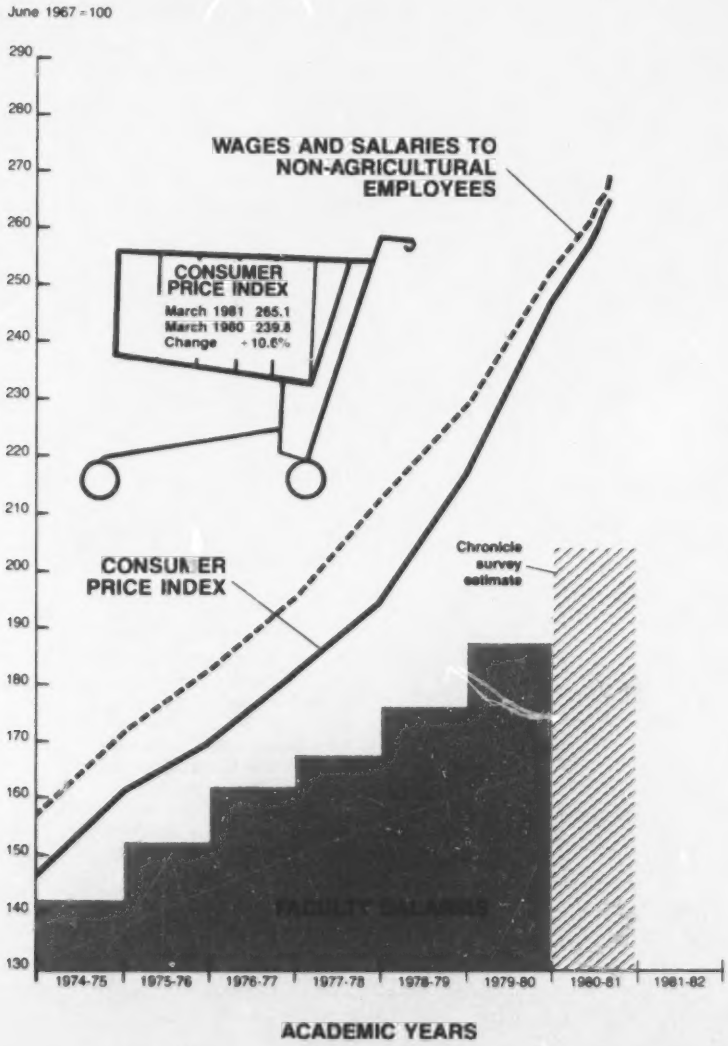
San Diego State University (CA)
Mary Eleanor Clark, Biology

Citations
(in addition to the top award)

Univ of California/Santa Cruz
Elliot Aronson, Psychology
University of Kansas
Clark E. Bricker, Chemistry
Washington State University
Glenn Arthur Crosby, Chemistry
Ohio State University
Simon Dinitz, Sociology
Pennsylvania State University
Arthur Goldschmidt, Jr., History

faculty members and administrators

Academic Salaries & the Cost of Living



Administrators' Salaries, 1980 - 1981

Position	All institutions	Public institutions	Private institutions	Universities	4-year institutions	2-year institutions
Chief executive of a system	$56,100	$57,000	$45,000	$65,000	$40,000	$49,900
Chief executive of a single institution	47,610	48,267	45,000	58,478	45,000	42,504
Executive vice-president	39,000	41,850	35,000	49,500	34,500	35,100
Chief academic officer	37,200	39,936	32,610	49,350	34,151	33,900
Chief business officer	35,000	37,500	31,049	45,271	31,500	31,476
Chief student-affairs officer	30,756	34,700	26,000	39,000	26,136	30,500
Chief development officer	31,400	33,350	30,250	38,200	29,000	27,013
Chief public-relations officer	24,500	28,845	19,800	34,000	19,500	22,609
Chief planning officer	33,768	35,000	29,500	40,000	28,548	31,776
Director, personnel and human resources	26,474	29,124	22,500	31,000	22,000	27,000
Chief health-professions officer	39,003	39,240	38,033	64,920	29,400	27,600
Chief budgeting officer	30,324	30,408	30,000	34,210	26,700	27,113
Director, legal services	35,000	35,000	35,000	37,720	27,000	32,000
Registrar	23,151	26,496	19,450	28,474	20,088	23,390
Director, church relations	19,000	28,000	18,662	23,481	17,800	10,800
Director, learning-resources center	25,704	27,267	19,200	30,620	20,000	26,597
Director, library services	26,035	30,525	21,497	35,692	22,600	23,903
Director, computer services	27,000	29,580	23,625	33,450	23,228	25,000
Director, educational-media services	22,000	25,256	17,000	25,740	17,740	21,920
Director, institutional research	27,034	29,000	22,000	31,517	22,450	25,500
Director, special and deferred gifts	24,800	27,500	23,670	28,000	21,600	22,633
Administrator, grants and contracts	27,571	29,470	22,250	31,050	22,000	26,410
Director, affirmative action, equal employment	25,963	26,350	23,000	27,210	22,593	24,125
Director, employee training	23,940	23,940	23,500	24,200	15,413	25,587
Comptroller	27,000	29,400	24,500	33,880	23,532	24,460
Director, internal audit	25,800	26,325	25,000	27,300	19,200	23,856
Bursar	19,694	21,780	17,446	23,195	16,739	17,734
Director, food services	22,125	24,206	20,300	26,190	19,800	17,808
Director, physical plant	25,000	27,305	21,900	33,000	22,000	22,841
Director, purchasing	22,200	23,532	18,800	25,452	18,200	21,000
Director, bookstore	16,440	18,800	13,300	22,800	13,200	15,096
Director, campus security	19,867	21,300	17,000	23,978	16,776	19,212
Director, information systems	31,478	32,000	30,000	35,532	23,050	30,000
Director, news bureau	19,200	22,008	16,800	23,040	16,475	20,141
Director, auxiliary services	28,000	29,796	23,857	32,412	22,900	24,550
Director, admissions	24,611	26,136	23,220	29,000	23,260	22,384
Director, foreign students	20,601	21,840	19,250	21,700	18,000	21,007
Director, international-studies education	29,150	31,775	24,800	31,775	25,100	n/a
Director, student financial aid	20,733	23,081	18,050	25,714	18,200	20,460
Director, student placement	20,671	23,433	17,808	24,700	17,900	20,731
Director, student counseling	24,700	27,268	20,245	27,983	20,240	25,094
Director, student union	21,600	24,206	16,500	25,663	17,203	22,538
Director, student health services	21,924	35,207	16,000	42,667	16,028	18,321
Director, student housing	19,177	22,650	15,750	23,370	15,768	15,546
Director, athletics	28,050	31,670	24,600	34,640	24,500	26,500
Director, campus recreation and intramurals	19,639	21,181	16,300	22,160	16,000	18,125
Director, alumni affairs	19,630	23,260	17,655	24,000	16,500	14,500
Director, information office	21,809	23,500	19,500	26,891	18,480	20,000
Director, community services	25,670	27,013	20,533	27,008	21,060	26,460
Administrator, hospital medical center	56,102	56,102	62,300	57,500	n/a	n/a
Chief planning and budget officer	36,500	38,288	32,000	43,553	29,150	29,571
Chief development and public-relations officer	32,497	33,700	32,000	40,200	31,041	28,000

Salaries (Continued)

Position	All institutions	Public institutions	Private institutions	Universities	4-year institutions	2-year institutions
Director, personnel and affirmative action	23,135	24,797	20,710	26,101	19,966	24,882
Director, admissions and financial aid	26,256	27,718	26,000	33,583	23,600	24,120
Director, housing and food services	32,000	32,580	28,500	33,276	26,954	n/a
Director, development and alumni affairs	27,756	28,100	25,000	31,650	22,700	23,959
Dean, architecture	44,954	44,954	44,000	46,000	39,009	n/a
Dean, agriculture	41,784	42,192	n/a	46,550	28,200	28,470
Dean, arts and letters	36,060	37,342	23,333	41,280	27,840	30,033
Dean, arts and sciences	39,000	39,250	38,000	42,700	36,108	30,063
Dean, business	37,163	37,356	36,840	44,800	32,633	29,282
Dean, communications	32,212	33,587	26,667	42,480	27,324	29,064
Dean, continuing education	31,317	33,104	25,600	36,500	26,200	27,974
Dean, dentistry	60,000	59,770	60,995	61,100	n/a	33,333
Dean, education	38,494	40,524	29,694	42,875	32,437	27,724
Dean, engineering	45,348	44,813	46,636	50,000	38,154	29,000
Dean, experimental programs	32,212	36,132	17,000	38,525	24,000	32,212
Dean, extension	35,016	36,000	27,500	42,865	25,564	26,637
Dean, fine arts	35,692	38,292	26,813	41,988	26,882	30,919
Dean, graduate programs	39,500	41,150	34,020	42,102	32,753	n/a
Dean, health-related professions	35,765	35,900	35,000	42,330	31,483	31,700
Dean, home economics	38,110	41,000	22,480	43,140	25,050	24,360
Dean, humanities	30,194	32,308	25,464	40,000	26,605	29,676
Dean, instruction	33,650	35,000	23,760	n/a	n/a	34,310
Dean, law	56,000	54,243	56,800	56,710	47,741	n/a
Dean, library and information sciences	38,494	38,500	33,000	41,275	27,500	31,839
Dean, mathematics	31,716	33,750	25,867	36,480	26,436	31,234
Dean, medicine	76,837	76,000	94,000	76,837	n/a	n/a
Dean, music	33,600	35,101	30,872	39,333	29,900	29,837
Dean, nursing	34,000	34,064	32,500	40,300	30,859	26,800
Dean, vocational education	32,203	32,266	27,830	39,160	32,760	30,305
Dean, pharmacy	50,000	50,100	48,000	51,500	n/a	n/a
Dean, public health	45,348	38,060	57,452	54,000	n/a	n/a
Dean, sciences	32,815	34,450	26,772	42,383	28,630	29,664
Dean, social sciences	30,067	32,052	24,047	36,610	26,680	29,767
Dean, social work	38,827	40,000	37,540	45,666	27,072	27,190
Dean, special programs	26,892	28,077	24,859	28,400	25,750	26,892
Dean, undergraduate programs	37,600	38,540	33,850	40,000	32,800	n/a
Dean, veterinary medicine	55,600	54,891	n/a	55,900	n/a	n/a

n/a —Not applicable

SOURCE: COLLEGE AND UNIVERSITY PERSONNEL ASSOCIATION

Changes in Administrators' Salaries

Position	1977-78 median	1978-79 median	1979-80 median	1980-81 median	Change 1979-80 to 1980-81	Change 1977-78 to 1980-81
Chief executive of a system	$40,000	$47,432	$51,735	$56,100	+ 8.4%	+11.9%
Chief executive of a single institution	38,720	40,000	43,870	47,610	+ 8.5%	+ 7.1%
Executive vice-president	32,850	35,968	37,500	39,000	+ 4.0%	+ 5.9%
Chief academic officer	30,000	32,000	34,279	37,200	+ 8.5%	+ 7.4%
Chief business officer	27,000	29,500	32,000	35,000	+ 9.4%	+ 9.0%
Chief student-affairs officer	24,400	26,500	28,665	30,756	+ 7.3%	+ 8.0%
Chief development officer	25,000	26,748	28,500	31,400	+10.2%	+ 7.9%
Chief public-relations officer	19,500	20,000	21,000	24,500	+16.7%	+ 7.9%
Chief planning officer	28,500	29,750	32,000	33,768	+ 5.5%	+ 5.8%
Director, personnel and human resources	20,800	22,620	24,497	26,474	+ 8.1%	+ 8.4%
Chief health-professions officer	34,760	37,857	40,000	39,003	− 2.5%	+ 3.9%
Chief budgeting officer	25,286	25,400	28,000	30,324	+ 8.3%	+ 6.2%
Director, legal services	27,200	29,650	32,750	35,000	+ 6.9%	+ 8.8%
Registrar	18,590	19,600	21,210	23,151	+ 9.2%	+ 7.6%
Director, library services	20520	22,102	24,346	26,035	+ 6.9%	+ 8.3%
Director, computer services	21,456	23,500	25,000	27,000	+ 8.0%	+ 8.0%
Director, institutional research	23,000	24,150	25,417	27,034	+ 6.4%	+ 5.5%
Director, affirmative action, equal employment	20,500	21,500	23,976	25,963	+ 8.3%	+ 8.2%
Comptroller	21,650	23,326	24,744	27,000	+ 9.1%	+ 7.6%
Director, food services	17,469	18,800	20,148	22,125	+ 9.8%	+ 8.2%
Director, physical plant	19,500	21,048	22,942	25,000	+ 9.0%	+ 8.6%
Director, purchasing	17,060	18,876	20,196	22,200	+ 9.9%	+ 9.2%
Director, bookstore	12,700	14,073	15,165	16,440	+ 8.4%	+ 9.0%
Director, information systems	24,935	25,838	28,592	31,478	+10.1%	+ 8.1%
Director, admissions	20,000	21,000	22,620	24,611	+ 8.8%	+ 7.2%
Director, student financial aid	17,000	18,020	19,500	20,733	+ 6.3%	+ 6.8%
Director, student placement	17,294	18,119	19,250	20,671	+ 7.4%	+ 6.1%
Director, student counseling	20,202	21,475	22,800	24,700	+ 8.3%	+ 6.9%
Director, student union	17,460	18,600	20,000	21,600	+ 8.0%	+ 7.3%
Director, student housing	16,000	16,800	17,795	19,177	+ 7.8%	+ 6.2%
Director, athletics	21,500	23,793	25,942	28,050	+ 8.1%	+ 9.3%
Director, information office	17,600	19,000	19,800	21,809	+10.1%	+ 7.4%
Director, community services	22,000	23,582	24,000	25,670	+ 7.0%	+ 5.3%
Dean, architecture	34,000	39,750	42,000	44,954	+ 7.0%	+ 9.8%
Dean, agriculture	33,420	35,976	37,500	41,784	+11.4%	+ 7.7%
Dean, arts and sciences	31,000	33,972	36,700	39,000	+ 6.3%	+ 8.0%
Dean, business	29,900	32,436	33,622	37,163	+10.5%	+ 7.5%
Dean, dentistry	42,120	51,500	54,000	60,000	+11.1%	+12.5%
Dean, education	31,500	34,000	35,333	38,494	+ 8.9%	+ 6.9%
Dean, engineering	36,000	38,700	41,316	45,348	+ 9.8%	+ 8.0%
Dean, extension	28,008	30,852	33,500	35,016	+ 4.5%	+ 7.7%
Dean, fine arts	28,433	31,500	32,165	35,692	+11.0%	+ 7.9%
Dean, graduate programs	32,083	34,668	36,800	39,500	+ 7.3%	+ 7.2%
Dean, home economics	29,051	32,004	33,192	38,110	+14.8%	+ 9.5%
Dean, law	44,000	48,000	50,000	56,000	+12.0%	+ 8.4%
Dean, medicine	54,750	63,500	68,400	76,837	+12.3%	+12.0%
Dean, music	25,685	29,056	29,370	33,600	+14.4%	+ 9.4%
Dean, nursing	25,300	30,000	30,000	34,000	+13.3%	+10.4%
Dean, pharmacy	39,976	44,390	45,580	50,000	+ 9.7%	+ 7.7%
Dean, social work	27,000	35,976	35,296	38,827	+10.0%	+12.9%

SOURCE: COLLEGE AND UNIVERSITY PERSONNEL ASSOCIATION

Sex & Race Differentials in Administrators' Salaries

Position	Non-minority	Minority	Non-minority differential	Male	Female	Male differential
Chief executive of a single institution	$48,000	$44,625	+ 7.6%	$48,257	$40,000	+ 20.6%
Executive vice-president	39,968	38,811	+ 3.0%	40,300	29,970	+ 34.5%
Chief academic officer	37,500	35,765	+ 4.9%	38,000	31,000	+ 22.6%
Chief business officer	35,235	29,109	+ 21.0%	35,588	23,175	+ 53.6%
Chief student-affairs officer	30,809	30,651	+ 0.5%	31,950	25,127	+ 27.2%
Chief development officer	32,035	28,740	+ 11.5%	32,500	26,219	+ 24.0%
Chief public-relations officer	24,900	21,622	+ 15.2%	28,320	18,575	+ 52.5%
Chief planning officer	34,000	28,548	+ 19.1%	34,900	24,799	+ 40.7%
Director, personnel and human resources	26,800	25,765	+ 4.0%	29,705	20,807	+ 42.8%
Chief health-professions officer	42,500	15,200	+179.6%	57,000	26,800	+112.7%
Chief budgeting officer	30,760	24,863	+ 23.7%	31,365	23,700	+ 32.3%
Director, legal services	35,580	23,424	+ 51.9%	36,000	32,800	+ 9.8%
Registrar	23,320	21,900	+ 6.5%	26,000	17,859	+ 45.6%
Director, church relations	n/a	n/a	n/a	20,000	14,000	+ 42.9%
Director, learning-resources center	25,800	25,836	− 0.1%	27,400	22,000	+ 24.5%
Director, library services	26,232	23,500	+ 11.6%	28,909	21,753	+ 32.9%
Director, computer services	27,054	26,280	+ 2.9%	27,600	19,980	+ 38.1%
Director, educational-media services	21,920	25,740	− 17.4%	23,040	14,545	+ 58.4%
Director, institutional research	27,500	23,493	+ 17.1%	29,360	22,077	+ 33.0%
Director, special and deferred gifts	24,350	25,750	− 5.7%	25,300	18,700	+ 35.3%
Administrator, grants and contracts	28,000	25,200	+ 11.1%	30,339	21,000	+ 44.5%
Director, affirmative action, equal employment	25,296	26,500	− 4.8%	27,500	25,000	+ 10.0%
Director, employee training	23,544	24,000	− 1.9%	26,000	19,800	+ 31.3%
Comptroller	27,300	22,910	+ 19.2%	28,500	19,900	+ 43.2%
Director, internal audit	26,325	24,192	+ 8.8%	26,700	21,200	+ 25.9%
Bursar	19,983	16,240	+ 23.0%	22,740	16,200	+ 40.4%
Director, food services	22,500	17,604	+ 27.8%	23,744	17,500	+ 35.7%
Director, physical plant	25,200	21,793	+ 15.6%	25,050	17,150	+ 46.1%
Director, purchasing	22,596	18,390	+ 22.9%	23,765	16,150	+ 47.2%
Director, bookstore	16,500	14,125	+ 16.8%	20,040	12,900	+ 55.3%
Director, campus security	19,899	20,072	− 0.9%	19,980	14,933	+ 33.8%
Director, information systems	31,562	27,550	+ 14.6%	32,130	24,000	+ 33.9%
Director, news bureau	19,200	15,872	+ 21.0%	21,461	16,740	+ 28.2%
Director, auxiliary services	28,626	22,500	+ 27.2%	28,943	19,000	+ 52.3%
Director, admissions	25,000	22,857	+ 9.4%	25,850	19,824	+ 30.4%
Director, foreign students	20,720	19,400	+ 6.8%	22,050	18,360	+ 20.1%
Director, international-studies education	29,150	27,120	+ 7.5%	31,277	18,600	+ 68.2%
Director, student financial aid	20,650	21,935	− 6.2%	22,700	17,100	+ 32.7%
Director, student placement	20,883	18,375	+ 13.6%	23,019	17,240	+ 33.5%
Director, student counseling	25,000	23,250	+ 7.5%	25,800	20,202	+ 27.7%
Director, student union	22,000	19,620	+ 12.1%	23,107	15,650	+ 47.6%
Director, student health services	22,579	17,825	+ 26.7%	43,000	16,257	+164.5%
Director, student housing	19,500	16,000	+ 21.9%	20,849	15,200	+ 37.2%
Director, athletics	28,133	25,698	+ 9.5%	28,400	21,456	+ 32.4%
Director, campus recreation and intramurals	20,220	17,200	+ 17.6%	20,640	17,292	+ 19.4%
Director, alumni affairs	19,800	19,080	+ 3.8%	23,000	15,930	+ 44.4%
Director, information office	21,800	24,108	− 10.6%	23,731	20,000	+ 18.7%
Director, community services	25,700	27,956	− 8.8%	28,000	22,249	+ 25.8%
Chief planning and budget officer	36,900	28,087	+ 31.4%	36,900	33,280	+ 10.9%
Chief development and public-relations officer	32,744	25,813	+ 26.9%	35,000	28,000	+ 25.0%
Director, personnel and affirmative action	23,052	25,000	− 8.5%	27,000	18,000	+ 50.0%
Director, admissions and financial aid	26,850	19,000	+ 41.3%	28,000	19,000	+ 47.4%
Director, housing and food services	n/a	n/a	n/a	32,100	27,810	+ 15.4%
Dean, development and alumni affairs	n/a	n/a	n/a	28,165	20,800	+ 35.4%

Position	Non-minority	Minority	Non-minority differential	Male	Female	Male differential
Dean, agriculture	43,891	35,560	+ 23.4%	n/a	n/a	n/a
Dean, arts and letters	n/a	n/a	n/a	36,221	31,300	+ 15.7%
Dean, arts and sciences	39,600	33,995	+ 16.5%	40,000	33,790	+ 18.4%
Dean, business	37,590	35,535	+ 5.8%	38,116	28,035	+ 36.0%
Dean, communications	32,884	25,500	+ 29.0%	34,150	25,672	+ 33.0%
Dean, continuing education	31,320	31,980	− 2.1%	32,850	23,370	+ 40.6%
Dean, education	38,707	33,956	+ 14.0%	39,429	33,278	+ 18.5%
Dean, engineering	45,348	47,000	− 3.6%	n/a	n/a	n/a
Dean, experimental programs	n/a	n/a	n/a	36,000	16,000	+125.0%
Dean, extension	35,417	34,008	+ 4.1%	35,417	27,666	+ 28.0%
Dean, fine arts	35,832	28,593	+ 25.3%	36,350	29,640	+ 22.6%
Dean, graduate programs	40,000	36,667	+ 9.1%	40,000	34,910	+ 14.6%
Dean, health-related professions	35,532	36,796	− 3.6%	38,376	30,743	+ 24.8%
Dean, home economics	40,000	29,000	+ 37.9%	44,000	36,000	+ 22.2%
Dean, humanities	31,000	27,777	+ 11.6%	31,000	28,984	+ 7.0%
Dean, instruction	34,180	30,312	+ 12.8%	n/a	n/a	n/a
Dean, law	56,000	52,000	+ 7.7%	n/a	n/a	n/a
Dean, library and information sciences	38,500	25,661	+ 50.0%	41,000	27,660	+ 48.2%
Dean, mathematics	33,610	27,839	+ 20.7%	32,012	29,400	+ 8.9%
Dean, music	34,325	29,000	+ 18.4%	34,200	20,691	+ 65.3%
Dean, nursing	34,016	33,500	+ 1.5%	32,815	34,000	− 3.6%
Dean, vocational education	32,760	29,103	+ 12.6%	32,760	25,232	+ 29.8%
Dean, sciences	33,000	30,794	+ 7.2%	33,000	27,067	+ 21.9%
Dean, social sciences	30,289	29,857	+ 1.4%	30,600	28,600	+ 7.0%
Dean, social work	40,000	30,794	+ 29.9%	40,000	27,950	+ 43.1%
Dean, special programs	28,077	25,370	+ 10.7%	28,077	25,600	+ 9.7%
Dean, undergraduate programs	n/a	n/a	n/a	38,450	36,500	+ 5.3%

n/a —Not applicable

SOURCE: COLLEGE AND UNIVERSITY PERSONNEL ASSOCIATION

Women as College Presidents

	1980				1975	
	Total	Members of religious orders	Women's	Coeducational	Total	Members of religious orders
Private institutions						
Four-year	124	80	59	65	98	79
Two-year	33	20	18	15	34	26
Public institutions						
Four-year	21	0	1	20	5	0
Two-year	41	0	0	41	11	0
All institutions	219	100	78	141	148	105

SOURCE: OFFICE OF WOMEN IN HIGHER EDUCATION, AMERICAN COUNCIL ON EDUCATION

faculty members and administrators

1980-81 Faculty Salaries for Men and Women

	4-year public				4-year private			
	Average	Change †	High (x)	Low (z)	Average	Change †	High (x)	Low (z)
Research universities								
Men	$27,036	9.5%	$30,500	$23,000	$30,805	10.7%	$37,250	$24,000
Women	21,670	10.5%	23,000	17,150	—	—	—	—
Ph.D.-granting universities								
Men	$24,638	9.3%	$27,807	$20,568	$25,704	10.1%	$28,425	$22,000
Women	20,472	10.6%	22,432	17,520	—	—	—	—
Comprehensive universities and colleges								
Men	$24,322	7.6%	$27,500	$20,800	$21,886	9.8%	$25,000	$17,580
Women	19,695	9.0%	21,100	16,060	19,858	8.4%	23,500	16,600
Selective liberal-arts colleges								
Men	—	—	—	—	$21,765	11.8%	$24,530	$18,400
Women	—	—	—	—	—	—	—	—
Less-selective liberal-arts colleges								
Men	—	—	—	—	$17,740	8.5%	$19,308	$15,413
Women	—	—	—	—	16,585	9.3%	18,100	15,200
2-year colleges								
Men	—	—	—	—	—	—	—	—
Women	—	—	—	—	—	—	—	—
All types combined								
Men	$25,103	8.6%	$28,338	$21,000	$23,649	10.1%	$27,735	$17,990
Women	20,404	9.8%	22,900	17,150	18,484	8.6%	20,000	15,810

By Discipline

	Women	Men
Arts(a)		
Average salary	—	$22,843
Increase	—	8.1%
High(x)	—	$26,450
Median(y)	—	22,263
Low(z)	—	18,250
Business(b)		
Average salary	$20,145	$25,141
Increase	8.7%	9.6%
High(x)	$23,700	$29,100
Median(y)	18,500	25,000
Low(z)	15,894	20,250
Engineering(c)		
Average salary	—	$26,459
Increase	—	9.8%
High(x)	—	$30,000
Median(y)	—	25,380
Low(z)	—	22,000
Humanities(d)		
Average salary	$19,478	$24,088
Increase	10.1%	8.7%
High(x)	$22,359	$27,000
Median(y)	18,375	22,716
Low(z)	16,000	19,500
Physical Education(e)		
Average salary	$20,439	$22,202
Increase	8.1%	8.2%
High(x)	$23,700	$25,000
Median(y)	19,313	21,173
Low(z)	17,100	18,500
Science(f)		
Average salary	$20,164	$24,434
Increase	8.9%	9.3%
High(x)	$23,100	$28,000
Median(y)	20,000	23,000
Low(z)	18,419	20,100
Social sciences(g)		
Average salary	$20,618	$25,334
Increase	8.8%	8.3%
High(x)	$23,425	$28,338
Median(y)	19,500	25,000
Low(z)	17,472	20,800
Vocational education(h)		
Average salary	$19,936	$21,246
Increase	10.3%	8.5%
High(x)	$21,705	$24,065
Median(y)	18,880	20,083
Low(z)	16,600	18,250

	Total			
	Average	Change †	High (x)	Low (z)
Research				
Men	$28,073	9.9%	$31,920	$23,100
Women	21,619	10.4%	23,000	17,150
Ph.D.				
Men	$24,789	9.4%	$28,000	$20,600
Women	$20,594	10.5%	22,432	17,544
Comprehensive				
Men	$23,790	8.0%	$26,300	$20,000
Women	19,728	8.9%	22,250	16,525
Selective				
Men	$21,765	11.8%	$24,530	$18,400
Women	—	—	—	—
Less select				
Men	$18,129	8.5%	$20,050	$15,500
Women	16,593	9.3%	18,100	15,200
2-year				
Men	$22,876	8.0%	$26,000	$19,000
Women	20,962	9.9%	23,992	17,300
All types				
Men	$24,402	8.8%	$28,000	$20,000
Women	20,106	9.6%	22,816	16,451

— Indicates insufficient data for reliable estimate.
† Average salary increase, 1980-81 over 1979-80.
(x) One fourth of the faculty members receive salaries larger than this amount.
(y) One half of the faculty members receive salaries larger than this amount.
(z) One fourth of the faculty members receive salaries smaller than this amount.
(a) Includes fine and applied arts; architecture; art history; cinema; dance; music; and theater.
(b) Includes economics, business administration and management; hospital administration; business law; accounting; marketing; and finance.
(c) Includes chemical, civil, construction, electrical, electronic, industrial, and mechanical engineering; applied mechanics; and computer science.
(d) Includes classics; American and English literature; English and writing; foreign languages; foreign literature; journalism; radio; television; broadcasting; linguistics; philosophy; religion; and speech.
(e) Includes coaching; exercise physiology; movement science; and recreation.
(f) Includes astronomy; biology; biochemistry; biophysics; botany; chemistry; earth sciences; environmental science; forestry; geology; meteorology; pharmacy; physics; physiology; statistics; and zoology.
(g) Includes anthropology; child development; clinical psychology; elementary education; secondary education; educational psychology; educational administration; geography; government; history; political science; psychology; sociolgy; and social work.
(h) Includes agriculture; family relations; health and safety; food sciences; health professions other than nursing; human ecology; nutrition; occupational therapy; physical therapy; public health; drafting, electronic, and engineering technology; and textiles.

Note: Survey data is based on responses of approximately 2,400 individuals in a sample of 4,800, weighted to represent full-time faculty members on 9-month or 10-month contracts at colleges and universities of all types except law schools, medical schools, proprietary institutions, or colleges with fewer than 500 students.

Statistical confidence limit for earnings estimates is ± 3 per cent.

SOURCE: SURVEY DESIGNED AND CONDUCTED FOR THE CHRONICLE BY JOHN MINTER ASSOCIATES

Status of Female Faculty Members, 1979-80

Men and women compared: number, salary level, percentage with tenure

Average salaries of full-time faculty members, 1979-80

	Professors		Associate professors		Assistant professors		Instructors		Lecturers		All ranks	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
Public and private, 9-month contracts												
Universities	$30,561	$27,367	$22,386	$21,101	$18,210	$17,232	$14,272	$13,718	$16,327	$14,337	$24,423	$18,616
Other 4-year	25,416	23,676	20,488	19,410	17,011	16,265	14,042	13,397	15,403	13,446	20,403	17,120
2-year	24,031	22,961	20,862	20,334	17,665	17,009	15,570	14,224	15,940	13,423	20,765	18,672
All 9-month contracts	27,994	24,764	21,262	20,070	17,504	16,656	14,433	13,634	15,953	13,921	21,941	17,922
Public and Private, 12-month contracts												
Universities	$36,856	$34,072	$28,863	$26,579	$24,320	$22,113	$19,036	$16,752	$22,314	$19,305	$30,876	$23,203
Other 4-year	31,759	27,965	26,149	23,494	21,164	19,330	15,763	15,042	17,630	15,426	25,240	19,371
2-year	26,594	24,427	23,229	21,988	19,541	18,205	16,166	14,516	17,471	16,608	19,904	17,473
All 12-month contracts	34,896	30,190	27,421	24,459	22,771	20,233	16,716	15,328	21,339	18,173	27,039	19,816

Increase in salaries, 1979-80 compared with 1978-79

	Professors		Associate professors		Assistant professors		Instructors		Lecturers		All ranks	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
Private institutions												
Universities	7.7%	8.4%	6.8%	7.3%	7.0%	6.4%	5.2%	4.9%	12.1%	7.9%	7.6%	7.1%
Other 4-year	6.8%	8.9%	6.6%	6.2%	6.2%	6.3%	6.5%	5.8%	4.5%	5.6%	7.0%	6.6%
2-year	9.7%	8.4%	7.5%	5.6%	5.7%	6.6%	5.5%	7.1%	—	—	7.2%	5.5%
Total private	7.1%	7.4%	6.7%	6.6%	6.5%	6.4%	6.0%	5.7%	9.5%	7.4%	7.3%	6.7%
Public institutions												
Universities	6.5%	5.5%	6.5%	5.6%	6.3%	5.9%	4.8%	4.3%	5.0%	4.8%	6.9%	6.1%
Other 4-year	6.3%	5.4%	6.9%	6.4%	6.7%	6.8%	7.6%	6.5%	9.6%	6.8%	7.4%	7.2%
2-year	5.4%	4.3%	5.1%	6.1%	6.0%	5.2%	6.8%	5.1%	—	—	8.2%	7.6%
Total public	6.2%	5.3%	6.5%	6.1%	6.5%	6.2%	6.7%	5.6%	7.2%	5.8%	7.4%	7.0%

Change in number of full-time faculty members, 1979-80 compared with 1978- 79

	Professors		Associate professors		Assistant professors		Instructors		Lecturers		All ranks	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
9-month contracts												
Universities	+ 3.0%	+ 5.8%	+ 0.6%	+ 8.5%	− 1.9%	+ 1.2%	− 4.2%	− 0.8%	+ 7.8%	+ 9.0%	+ 0.9%	+ 3.5%
Other 4-year	+ 4.8%	+ 4.4%	+ 0.6%	+ 6.0%	− 3.6%	+ 2.1%	− 4.3%	− 4.7%	− 1.2%	+ 1.6%	+ 0.2%	+ 2.0%
2-year	+ 11.7%	+ 9.1%	+ 3.2%	+ 7.8%	− 3.5%	0.0%	− 7.1%	− 5.9%	− 7.4%	+ 2.3%	+ 0.1%	+ 1.2%
All 9-month contracts	+ 4.1%	+ 5.3%	+ 0.8%	+ 7.1%	− 3.0%	+ 1.6%	− 4.8%	− 4.0%	+ 3.8%	+ 5.8%	+ 0.4%	+ 2.2%
12-month contracts												
Universities	− 0.7%	− 2.3%	− 2.4%	0.0%	− 1.0%	− 3.9%	− 11.3%	− 7.5%	+ 11.0%	+ 28.7%	− 0.8%	− 0.2%
Other 4-year	+ 4.3%	− 1.5%	+ 2.5%	− 0.7%	+ 0.3%	+ 3.3%	− 12.4%	+ 0.9%	+ 8.1%	+ 3.6%	+ 2.1%	+ 4.8%
2-year	+ 8.9%	+ 13.0%	− 3.6%	+ 5.9%	+ 2.3%	+ 8.5%	+ 26.8%	+ 19.0%	0.0%	− 14.3%	+ 4.9%	+ 6.3%
Al 12-month contracts	+ 1.0%	− 1.0%	− 0.9%	+ 0.5%	− 0.3%	+ 0.8%	− 5.5%	+ 1.3%	+ 10.3%	+ 22.0%	+ 1.0%	+ 3.6%

Women as percentage of total full-time faculty members

	Professors		Associate professors		Assistant professors		Instructors		Lecturers		All ranks	
	9-month	12-month	9-month	12-month	9-month	12-month	9-month	12-month	9-month	12-month	9-month	12-month
Private institutions												
Universities	6.0%	6.8%	16.6%	22.7%	30.0%	35.5%	48.6%	71.4%	42.1%	43.9%	18.2%	26.5%
Other 4-year	12.7%	10.1%	21.6%	21.2%	35.4%	32.8%	51.0%	46.0%	49.9%	73.7%	27.4%	26.9%
2-year	29.6%	23.3%	42.7%	32.5%	52.9%	39.8%	57.4%	53.8%	—	—	48.6%	41.3%
Total private	10.1%	9.3%	20.3%	22.1%	34.2%	33.9%	51.0%	50.8%	45.2%	55.8%	24.8%	28.1%
Public institutions												
Universities	6.4%	4.7%	16.2%	11.9%	31.1%	21.2%	55.7%	44.7%	44.4%	39.3%	20.0%	13.7%
Other 4-year	11.8%	12.4%	18.9%	21.2%	34.5%	40.4%	52.7%	61.1%	46.4%	44.3%	26.4%	28.8%
2-year	23.5%	17.8%	29.4%	30.6%	38.6%	41.6%	47.7%	47.3%	46.1%	47.4%	34.7%	36.1%
Total public	9.7%	7.2%	19.1%	16.8%	33.8%	29.6%	52.1%	51.5%	45.3%	40.5%	26.4%	23.2%
Public and private combined												
Universities	6.3%	4.9%	16.3%	13.4%	30.8%	23.2%	54.2%	49.9%	43.9%	39.9%	19.6%	15.4%
Other 4-year	12.2%	11.5%	19.9%	21.2%	34.9%	37.3%	52.0%	53.2%	47.4%	53.2%	26.8%	28.0%
2-year	23.8%	18.4%	29.9%	30.8%	39.3%	41.4%	48.4%	48.9%	47.4%	47.4%	35.2%	36.6%
Total public and private	9.8%	7.6%	19.4%	18.0%	33.9%	30.7%	51.8%	51.3%	44.7%	43.0%	25.9%	24.3%

Percentage of full-time faculty members with tenure, 1979-80

	Professors		Associate professors		Assistant professors		Instructors		Lecturers		All ranks	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
Private institutions												
Universities	97.0%	95.4%	75.9%	74.1%	13.1%	13.8%	5.5%	2.5%	2.9%	2.3%	66.4%	35.9%
Other 4-year	93.7%	90.9%	77.3%	75.0%	21.3%	21.9%	2.7%	2.4%	0.8%	0.0%	60.4%	37.9%
2-year	93.9%	89.7%	86.3%	70.0%	42.1%	32.1%	7.5%	9.7%	0.0%	0.0%	55.2%	37.9%
Total private	95.1%	92.0%	76.9%	74.7%	19.0%	19.9%	3.4%	2.7%	2.2%	1.4%	62.4%	37.4%
Public institutions												
Universities	97.0%	95.4%	86.4%	85.4%	17.2%	25.0%	6.7%	7.6%	11.0%	8.7%	70.6%	43.6%
Other 4-year	96.1%	95.1%	84.3%	81.9%	37.0%	39.6%	11.9%	10.7%	1.2%	0.5%	68.3%	47.5%
2-year	95.9%	96.6%	89.5%	88.8%	59.1%	56.2%	26.0%	21.6%	10.3%	2.9%	77.9%	67.1%
Total public	96.6%	95.4%	85.7%	84.4%	31.1%	36.9%	13.8%	12.2%	7.7%	5.7%	71.1%	51.9%

Postdoctoral Appointees Compared to Other Research Personnel

	Mathematics	Physics	Chemistry	Earth sciences	Engineering	Agricultural sciences	Biological sciences	Psychology	Social sciences	All fields
Recent Ph.D. recipients taking postdoctoral appointments	15%	50%	48%	34%	13%	16%	58%	16%	9%	29%
Assistant professors recently hired in major research universities who had held postdoctoral appointments	44%	82%	88%	51%	29%	23%	73%	34%	13%	59%
Persons with postdoctoral appointments holding the appointments longer than two years	28%	48%	37%	7%	26%	48%	50%	14%	16%	39%
Persons with postdoctoral appointments prolonging appointment because other jobs were not available	19%	36%	38%	6%	24%	43%	28%	14%	9%	29%
Former holders of postdoctoral appointments employed in major research universities	28%	21%	15%	38%	21%	34%	28%	18%	10%	23%
Persons with Ph.D.'s employed in nonacademic jobs	33%	48%	61%	61%	69%	41%	32%	51%	24%	46%
Persons with postdoctoral appointments supported by federal fellowships or traineeships	11%	12%	14%	12%	17%	4%	40%	37%	28%	
Average annual postdoctoral stipend as proportion of salaries of full-time academic employees in the field who received Ph.D. degrees at the same time	96%	80%	67%	79%	66%	60%	57%	55%	54%	59%
Proportion of total research personnel in major research universities who are on postdoctoral appointments	3%	8%	14%	4%	2%	1%	18%	5%	3%	8%
Proportion of full-time-equivalent research personnel in major universities who are on postdoctoral appointments	5%	17%	25%	5%	5%	3%	27%	10%	6%	15%
Proportion of persons with postdoctoral appointments in U.S. universities who are foreign citizens	47%	34%	47%	35%	69%	41%	32%	19%	27%	38%

SOURCE: NATIONAL RESEARCH COUNCIL

A Profile of 1978-79 Ph.D.'s

	Arts and humanities	Computer sciences	Education	Engineering	Life sciences	Mathematics	Physical sciences	Professional fields	Social sciences
Doctor's degrees conferred	4,143	209	7,370	2,494	5,076	768	3,321	1,414	6,379
Sex									
Men	61.5%	87.1%	57.9%	97.5%	76.6%	84.6%	89.4%	74.3%	67.0%
Women	38.5%	12.9%	42.1%	2.5%	23.4%	15.4%	10.6%	25.7%	33.0%

	Arts and humanities	Computer sciences	Education	Engineering	Life sciences	Mathematics	Physical sciences	Professional fields	Social sciences
Racial or ethnic group[2]									
American Indian	13.9%		38.8%	3.0%	9.1%		11.5%	1.8%	21.8%
Asian	4.9%		8.3%	27.9%	20.0%		22.7%	3.7%	12.6%
Black	10.4%		46.4%	3.8%	9.1%		5.0%	5.1%	20.3%
Hispanic	16.3%		23.5%	9.6%	18.6%		11.7%	2.1%	18.1%
White	14.2%		24.0%	6.1%	16.3%		13.4%	4.9%	21.1%
Other and unknown	13.5%		22.4%	7.5%	15.6%		14.1%	4.0%	22.8%
Citizenship									
United States	88.2%	77.5%	88.8%	51.9%	79.8%	71.6%	77.4%	80.8%	84.4%
Foreign	8.5%	21.1%	8.1%	45.6%	17.4%	26.0%	20.6%	16.9%	11.6%
Unknown	3.3%	1.4%	3.1%	2.5%	2.7%	2.3%	2.0%	2.3%	4.0%
Marital status									
Married	59.0%	61.7%	69.3%	64.7%	62.6%	51.8%	56.8%	69.3%	57.4%
Not married	35.2%	36.4%	26.2%	31.2%	32.9%	44.7%	39.4%	27.2%	36.5%
Unknown	5.8%	1.9%	4.4%	4.0%	4.5%	3.5%	3.8%	3.5%	6.1%
Median age at doctorate	33.0%	30.1%	36.5%	30.3%	30.0%	29.3%	28.9%	34.1%	31.5%
Median number of years from bachelor's degree to doctorate	10.3%	7.5%	12.7%	7.6%	7.3%	7.1%	6.6%	10.7%	8.5%
Per cent with bachelor's degrees in same field as doctorate	62.3%	8.6%	38.6%	77.9%	40.7%	81.4%	78.1%	37.5%	56.4%
Postdoctoral study									
Fellowship	2.8%	1.9%	1.0%	3.6%	25.8%	6.4%	16.6%	1.2%	6.0%
Research associateship	1.0%	4.8%	.8%	8.4%	13.3%	3.4%	23.8%	1.4%	2.6%
Traineeship	.2%	.0%	.8%	.8%	2.2%	.7%	.6%	.1%	1.3%
Other	1.8%	.0%	.8%	.7%	4.4%	1.3%	.8%	.5%	1.2%
Postdoctoral employment									
Educational institution	65.6%	46.9%	66.8%	23.4%	25.2%	57.3%	13.5%	68.2%	45.4%
Industry or business	5.2%	34.4%	3.9%	41.7%	7.8%	14.3%	20.7%	7.2%	9.1%
Government	3.1%	5.3%	10.4%	12.0%	7.9%	6.1%	7.4%	5.7%	13.0%
Nonprofit	4.0%	1.0%	4.7%	2.0%	2.1%	1.0%	1.1%	8.8%	8.6%
Other and unknown	5.9%	1.0%	4.1%	1.6%	1.9%	1.7%	2.0%	1.1%	4.7%
Postdoctoral status unknown	10.2%	4.8%	6.6%	5.7%	6.5%	7.8%	5.8%	5.7%	8.0%

	All fields[1]
Doctor's degrees conferred	31,200
Sex	
Men	71.4%
Women	28.6%
Racial or ethnic group[2]	
American Indian	0.5%
Asian	8.3%
Black	4.6%
Hispanic	2.9%
White	75.3%
Other and unknown	8.4%
Citizenship	
United States	81.3%
Foreign	15.7%
Unknown	3.0%

	All fields
Marital status	
Married	62.2%
Not married	33.0%
Unknown	4.8%
Median age at doctorate	31.9%
Median number of years from bachelor's degree to doctorate	9.0%
Per cent with bachelor's degrees in same field as doctorate	53.8%
Postdoctoral study	
Fellowship	8.8%
Research associateship	6.4%
Traineeship	1.0%
Other	1.6%

	All fields
Postdoctoral employment	
Educational institution	46.0%
Industry or business	12.0%
Government	9.0%
Nonprofit	4.5%
Other and unknown	3.5%
Postdoctoral status unknown	7.2%
Primary postdoctoral work activity	
Research and development	25.0%
Teaching	41.3%
Administration	12.7%
Professional services	10.0%
Other	2.9%
Unknown	7.9%

NOTE: Figures do not include first-professional degrees, such as M. D. or D. D. S.
1 Includes 26 degrees not separately listed.
2 In this category, computer sciences and mathematics are included under physical sciences.

SOURCE: SURVEY OF EARNED DOCTORATES, NATIONAL RESEARCH COUNCIL

Increases in Salary and Compensation from 1978-79 to 1979-80

	Salary				Compensation			
	Public	Private	Church-related	Total	Public	Private	Church-related	Total
Category I: University Level								
Professor	7.2%	7.4%	6.9%	7.2%	8.2%	8.0%	8.0%	8.2%
Associate professor	6.7%	7.0%	6.3%	6.7%	7.5%	8.0%	7.5%	7.6%
Assistant professor	6.5%	6.7%	5.8%	6.5%	7.0%	7.6%	6.5%	7.1%
Instructor	5.6%	5.6%	5.8%	5.6%	6.0%	6.9%	5.9%	6.1%
All ranks	6.8%	7.1%	6.4%	6.9%	7.7%	7.9%	7.3%	7.7%
Category IIA: College Level								
Professor	9.0%	7.1%	6.8%	8.6%	10.7%	7.7%	7.4%	10.0%
Associate professor	8.0%	6.3%	6.1%	7.6%	9.3%	6.8%	6.4%	8.7%
Assistant professor	7.6%	6.5%	6.6%	7.3%	8.5%	6.6%	6.9%	8.0%
Instructor	7.0%	6.0%	5.3%	6.8%	7.4%	5.8%	5.5%	7.0%
All ranks	8.2%	6.6%	6.4%	7.9%	9.5%	7.0%	6.8%	8.9%
Category IIB: Bachelor's-Degree Level								
Professor	6.4%	6.5%	6.6%	6.5%	7.3%	7.4%	7.2%	7.3%
Associate professor	6.8%	6.2%	6.6%	6.5%	7.3%	7.0%	7.0%	7.1%
Assistant professor	6.9%	6.1%	6.2%	6.4%	7.1%	6.4%	6.6%	6.6%
Instructor	6.5%	7.1%	6.4%	6.6%	6.2%	7.4%	6.7%	6.7%
All ranks	6.7%	6.3%	6.5%	6.5%	7.1%	7.0%	6.9%	7.0%
Category III: Two-Year College Level								
Professor	6.2%	4.7%	8.5%	6.2%	7.0%	5.7%	8.8%	7.0%
Associate professor	6.3%	4.8%	7.4%	6.3%	7.2%	6.1%	8.1%	7.1%
Assistant professor	6.7%	6.2%	4.8%	6.7%	7.3%	7.0%	5.3%	7.3%
Instructor	7.2%	2.5%	8.2%	6.9%	7.4%	2.7%	9.0%	7.1%
All ranks	6.6%	4.5%	6.9%	6.5%	7.2%	5.2%	7.4%	7.1%
Category IV: Institutions Without Ranks								
All	8.8%	5.8%	7.6%	8.7%	9.1%	6.2%	7.7%	9.0%
All Categories Except IV								
Professor	7.7%	7.2%	6.7%	7.5%	8.9%	7.8%	7.4%	8.6%
Associate professor	7.1%	6.6%	6.4%	7.0%	8.1%	7.4%	6.9%	7.9%
Assistant professor	6.9%	6.5%	6.2%	6.8%	7.6%	7.0%	6.7%	7.4%
Instructor	6.5%	6.1%	6.1%	6.4%	6.8%	6.2%	6.3%	6.7%
All ranks	7.3%	6.8%	6.4%	7.1%	8.3%	7.4%	7.0%	8.0%

SOURCE: AMERICAN ASSOCIATION OF UNIVERSITY PROFESSORS

A.A.U.P Rating Scale

Category I: University Level

	1*	1	2	3	4
Professor	$43,480	$38,510	$35,450	$32,580	$30,160
Associate professor	30,740	28,230	26,920	25,620	24,410
Assistant professor	24,740	22,760	21,560	20,720	19,930
Instructor	20,150	18,370	17,270	16,270	15,260

NOTE: Institutions in Category I offer the doctorate and in the most recent three years conferred an annual average of 15 or more earned doctorates in at least three non-related disciplines.

Category IIA: College Level

	1*	1	2	3	4
Professor	$38,450	$32,830	$29,350	$26,720	$23,930
Associate professor	30,120	26,400	24,050	22,410	20,490
Assistant professor	24,620	21,920	20,100	18,800	17,390
Instructor	20,930	18,000	16,580	15,320	14,320

NOTE: Institutions in Category IIA award degrees above the bachelor's degree but do not qualify for Category I.

Category IIB: Bachelor's Degree Level

	1*	1	2	3	4
Professor	$33,630	$28,610	$25,250	$22,800	$20,130
Associate professor	26,110	22,960	21,000	19,410	17,570
Assistant professor	21,070	18,980	17,580	16,420	15,140
Instructor	17,910	16,160	14,930	13,850	12,800

NOTE: Institutions in Category IIB award only the bachelor's degree or its equivalent.

Category III: Two-Year College Level

	1*	1	2	3	4
Professor	$33,500	$30,390	$26,700	$23,970	$21,560
Associate professor	26,930	25,620	22,740	20,950	19,430
Assistant professor	25,270	21,980	19,890	18,440	16,930
Instructor	21,370	18,340	16,980	15,390	14,060

Category IV: Institutions Without Ranks

1*	1	2	3	4
$30,620	$24,620	$19,770	$17,300	$15,040

All Categories Except IV

	1*	1	2	3	4
Professor	$38,250	$32,420	$28,520	$25,270	$21,880
Associate professor	29,340	25,870	23,340	21,190	18,980
Assistant professor	24,240	21,270	19,500	18,030	16,250
Instructor	20,160	17,670	16,090	14,990	13,610

Scales are based on actual distributions of average compensation by number of institutions in 1979-80. Percentile rankings are as follows: 1*—95th percentile; 1—80th percentile; 2—60th percentile; 3—40th percentile; 4—20th percentile.

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Holdings of U.S. and Canadian Members of the Association of Research Libraries, 1980

University libraries †	Rank by overall size ‡	Volumes in library	Volumes added	Current serials	Spending for materials	Spending for salaries
Harvard U.	1	10,082,663	168,671	94,000	$ 5,001,716	$ 10,428,993
U. of California, Berkeley	2	5,753,731	156,577	102,199	3,391,896	8,970,402
Yale	3	7,401,953	155,758	57,891	3,114,825	7,092,021
Stanford	4	4,694,769	116,942	45,766	4,043,647	7,504,597
U. of California, Los Angeles	5	4,234,835	126,153	58,750	3,367,344	8,705,346
U. of Illinois	6	5,936,823	177,157	93,913	3,105,575	5,383,293
U. of Michigan	7	5,234,380	98,426	56,169	3,185,344	6,497,574
Columbia U.	8	5,016,460	91,991	58,697	2,756,222	7,514,383
U. of Toronto	9	4,448,310	127,866	42,244	3,314,473	8,826,042
Cornell U.	10	4,216,915	111,713	55,204	2,858,687	5,426,938
U. of Texas	11	4,547,508	141,315	60,000	2,880,062	5,651,570
U. of Wisconsin	12	3,631,669	156,485	54,083	2,797,166	5,592,551
U. of Washington	13	3,877,236	162,675	42,753	2,587,773	5,551,754
U. of Minnesota	14	3,807,570	68,554	45,443	2,309,764	5,897,481
U. of No. Carolina	15	2,604,404	117,282	37,529	2,825,763	4,079,527
Indiana U.	16	3,759,203	103,509	26,879	2,439,733	5,032,612
U. of Br. Columbia	17	2,107,463	68,598	33,011	2,457,842	6,183,584
Princeton U.	18	3,260,396	68,158	30,231	2,588,531	4,345,119
U. of Arizona	19	2,540,839	113,268	28,350	3,195,570	3,198,701
U. of Chicago	20	4,310,824	127,886	42,121	1,935,783	3,703,690
Ohio State U.	21	3,529,985	83,256	29,960	2,612,978	5,140,470
Rutgers U.	22	2,216,843	50,643	24,475	2,542,699	5,285,716
U. of Florida	23	2,162,982	83,638	31,221	2,981,715	3,343,449
U. of Virginia	24	2,431,322	79,480	23,360	3,031,146	3,534,827
Pennsylvania St. U.	25	2,149,603	57,464	23,805	2,196,853	4,960,136
U. of Pennsylvania	26	2,938,890	53,503	26,595	1,769,604	3,997,284
U. of California, Davis	27	1,606,286	80,722	42,759	2,218,189	4,408,212
New York U.	28	2,869,122	92,404	24,201	1,823,388	3,847,251
U. of Georgia	29	1,985,646	91,749	32,085	2,201,720	2,592,145
U. of So. California	30	2,035,570	77,717	28,310	2,012,525	3,339,604
Michigan State U.	31	2,613,447	96,836	34,149	1,739,402	3,474,405
Duke U.	32	3,085,654	82,815	27,387	2,010,336	3,235,199
Northwestern U.	33	2,806,320	72,381	25,977	2,065,770	4,043,361
U. of Iowa	34	2,295,266	78,296	28,935	2,308,660	3,033,352
U. of Alberta	35	2,066,444	85,921	14,330	2,276,681	4,708,848
State U. of New York, Buffalo	36	1,936,437	51,494	20,907	1,651,883	3,220,783

institutional data

University libraries †	Rank by overall size ‡	Volumes in library	Volumes added	Current serials	Spending for materials	Spending for salaries
U. of Maryland	37	1,403,568	68,550	16,481	$ 1,801,112	$ 3,734,862
U. of Kansas	38	2,148,451	67,465	28,251	1,893,941	2,843,561
U. of Pittsburgh	39	2,246,371	79,682	14,877	1,535,284	3,388,232
Virginia Polytechnic Inst. and State U.	40	1,226,037	84,770	23,304	1,932,501	2,154,646
U. of California, San Diego	41	1,378,955	46,430	26,743	1,791,551	3,710,557
U. of Kentucky	42	1,792,048	39,004	33,866	1,591,131	2,488,371
U. of California, Santa Barbara	43	1,375,227	50,164	18,675	1,633,949	3,559,575
U. of Hawaii	44	1,736,122	72,483	29,601	1,609,089	2,898,177
McGill U.	45	1,995,899	56,505	15,729	1,505,851	5,183,866
U. of Missouri	46	2,016,647	50,023	20,747	1,690,303	2,076,606
Southern Illinois U.	47	1,630,825	44,886	20,316	1,625,451	2,730,942
U. of Cincinnati	48	1,254,306	49,706	17,509	1,637,405	3,152,741
Washington St. U.	49	1,231,724	41,825	29,140	1,325,771	2,714,141
Arizona State U.	50	1,468,650	84,022	17,716	1,811,764	2,126,024
Mass. Inst. of Tech.	51	1,797,623	37,652	19,136	1,219,275	2,652,960
Louisiana State U.	52	1,822,626	61,930	18,578	1,710,349	2,168,661
Syracuse U.	53	1,888,312	66,285	22,221	1,167,923	2,087,600
Boston U.	54	1,314,742	27,124	22,962	1,514,162	2,389,731
U. of South Carolina	55	1,819,230	66,823	16,727	1,509,066	2,161,646
Wayne State U.	56	1,839,429	34,497	13,428	1,422,709	2,857,309
Washington U.(Mo.)	57	1,798,711	44,015	15,003	1,485,884	2,193,932
Johns Hopkins U.	58	2,321,935	34,877	16,449	1,520,972	2,393,634
Howard U.	59	1,116,396	57,707	13,156	1,894,321	3,609,365
U. of Tennessee	60	1,356,369	40,406	25,157	1,521,950	2,114,837
Florida State U.	61	1,393,156	54,455	13,796	1,932,316	1,911,403
Temple U.	62	1,592,849	48,575	16,254	1,375,794	2,799,220
Texas A&M U.	63	1,299,644	58,815	15,347	1,659,190	1,930,063
U. of Connecticut	64	1,657,850	61,923	15,308	1,470,850	2,470,939
Iowa State U.	65	1,349,909	53,835	18,935	1,588,707	2,204,211
U. of Nebraska	66	1,494,040	52,525	22,081	1,541,332	2,020,343
Purdue U.	67	1,424,896	36,744	18,465	1,515,934	2,747,547
U. of Oklahoma	68	1,808,276	69,743	16,293	1,580,706	1,789,740
U. of Western Ontario	69	1,375,565	47,742	n/a	1,756,186	3,377,459
Brigham Young U.	70	1,464,218	53,259	17,009	n/a	n/a
Emory U.	71	1,636,344	48,186	15,223	1,418,792	1,876,791
U. of Utah	72	1,990,000	68,722	17,249	1,209,641	2,114,320
U. of Rochester	73	1,700,000	53,000	12,000	1,333,000	1,925,000
Georgetown U.	74	1,245,615	53,262	17,201	1,437,336	2,257,362
State U. of New York, Stony Brook	75	1,226,807	49,867	17,635	1,328,317	2,340,725
U. of Massachusetts	76	1,730,872	75,945	12,715	1,279,489	2,452,814
York U.	77	1,272,551	33,433	12,756	1,271,024	2,667,877

University libraries †	Rank by overall size ‡	Volumes in library	Volumes added	Current serials	Spending for materials	Spending for salaries
Vanderbilt U.	78	1,430,289	33,306	15,187	$ 1,207,427	$ 1,855,663
U. of Miami (Fla.)	79	1,343,442	42,342	14,876	1,395,637	2,051,995
U. of Colorado	80	1,852,904	41,023	12,690	1,039,934	2,374,802
U. of Houston	81	1,225,941	29,775	13,171	1,346,086	2,180,865
Queen's U.	82	1,370,670	42,958	17,947	1,393,874	2,421,935
U. of Oregon	83	1,474,358	49,476	20,000	1,244,319	2,106,963
State U. of New York, Albany	84	936,864	38,704	15,647	1,252,594	2,069,776
U. of New Mexico	85	999,973	37,169	15,658	1,176,548	1,890,113
U. of California, Riverside	86	983,200	35,502	14,010	1,227,884	2,102,294
Tulane U.	87	1,372,405	33,435	12,931	1,208,618	1,598,583
Brown U.	88	1,671,414	35,206	14,145	1,136,000	1,820,291
Dartmouth C.	89	1,390,717	42,979	17,553	1,161,501	1,473,822
Colorado State U.	90	1,232,923	46,509	16,781	874,798	1,884,093
McMaster U.	91	985,742	45,481	12,723	1,700,227	2,155,897
U. of Saskatchewan	92	1,000,138	40,092	10,162	1,280,683	2,062,430
Case Western Reserve U.	93	1,368,366	21,902	13,560	951,442	1,860,366
U. of Notre Dame	94	1,419,409	35,605	13,853	1,201,945	1,443,791
U. of Alabama	95	1,123,802	36,717	12,511	1,021,860	1,464,678
U. of Guelph	96	1,154,539	71,621	8,528	986,671	1,933,212
Rice U.	97	1,034,606	39,060	9,752	1,116,784	1,142,138
Kent State U.	98	1,352,092	48,641	8,576	850,669	1,295,620
Oklahoma State U.	99	1,253,052	22,250	9,585	735,946	1,114,000
U. of Notre Dame	94	1,419,409	35,605	13,853	1,201,945	1,443,791
U. of Alabama	95	1,123,802	36,717	12,511	1,021,860	1,464,678
U. of Guelph	96	1,154,539	71,621	8,528	986,671	1,933,212
Rice U.	97	1,034,606	39,060	9,752	1,116,784	1,142,138
Kent State U.	98	1,352,092	48,641	8,576	850,669	1,295,620
Oklahoma State U.	99	1,253,052	22,250	9,585	735,946	1,114,000

† Libraries are not supposed to report figures for their branch campuses.

‡ Ranking by overall size is based on an index developed by the Association of Research Libraries for quantitative comparisons. The index takes into account volumes held, gross volumes added, microforms held, current serials received, expenditures for library materials, expenditures for binding, expenditures for salaries and wages, other operating expenditures, number of professional staff, and number of nonprofessional staff.

n/a Data not available.

SOURCE: ASSOCIATION OF RESEARCH LIBRARIES

Undergraduate Admissions

A survey of policies and practices at 1,463 institutions

General admissions practices

	All Institutions	2-year public	2-year private	4-year public	4-year private
Open door [1]	34%	89%	35%	20%	8%
Selective [2]	56%	9%	60%	70%	77%
Competitive [3]	8%	1%	5%	10%	13%
Not reported	2%	1%	0%	0%	2%

Minimum academic standards for admission

	All Institutions	2-year public	2-year private	4-year public	4-year private
High-school grade average	40%	6%	46%	43%	58%
Average requirement	2.0	1.9	1.9	2.0	2.0
High-school class rank	29%	2%	23%	33%	44%
Average percentile requirement	43	39	42	40	44
Scholastic Aptitude Test score	30%	4%	22%	39%	42%
Average S.A.T. score requirement (verbal plus mathematical)	740	650	617	740	754
American College Testing score	24%	2%	21%	30%	36%
Average A.C.T. composite score requirement	16.2	15.5	14.8	16.2	16.4

Characteristics and credentials considered very important factors in admissions decisions

	All Institutions	2-year public	2-year private	4-year public	4-year private
Academic performance in high school	65%	21%	77%	77%	84%
Aptitude test scores	44%	10%	38%	63%	55%
Achievement test scores	5%	2%	5%	4%	7%
Recommendation from high school	13%	1%	22%	4%	7%
from church, employer, or others	7%	1%	15%	1%	13%
Interview with faculty member, alumnus, staff member, student, or other	15%	5%	27%	6%	23%
Personal essay or statement	7%	1%	4%	3%	13%
Health statement	6%	4%	14%	5%	7%
Applicant's place of residence	4%	8%	0%	6%	1%
Documentation of previous work	5%	2%	4%	6%	7%
Pattern of high school subjects	26%	8%	21%	25%	38%
Declaration of major	9%	10%	11%	9%	7%
Ability to pay tuition and fees	4%	4%	9%	1%	4%

Admission offered to less-qualified applicants from specific groups

	All institutions	2-year public	2-year private	4-year public	4-year private
Athletes	24%	23%	10%	37%	20%
Alumni relatives	24%	22%	21%	19%	29%
Faculty relatives	27%	23%	22%	20%	34%
Members of racial or ethnic minorities	37%	26%	25%	46%	41%
Disadvantaged persons	37%	28%	21%	49%	38%
Physically handicapped persons	25%	28%	16%	30%	21%
Talented students in art, music, etc.	27%	23%	19%	35%	27%
Older students	34%	32%	32%	42%	31%

Frequently used recruiting procedures

	All institutions	2-year public	2-year private	4-year public	4-year private
Expense-paid visits to campus for prospective students and families	38%	24%	44%	35%	48%
Expense-paid visits to campus for high-school personnel	27%	29%	27%	28%	26%
Participation in college nights, fairs, with other colleges	64%	44%	64%	77%	70%
Visits to noninstitutional locations, only for students and families interested in the same institution	15%	9%	19%	14%	20%
Direct mailings to prospective students	64%	47%	70%	61%	75%
Telephone calls to prospective students or toll-free lines for incoming calls	36%	15%	51%	29%	50%
Advertisements					
on billboards, in buses or subways	5%	7%	4%	2%	4%
on commercial radio or television	11%	27%	5%	6%	5%
on educational television	3%	6%	0%	3%	1%
in local newspapers	26%	53%	26%	15%	15%
in high-school papers	5%	10%	4%	3%	4%
in professional journals	3%	2%	2%	3%	4%
in promotional films, videotapes, etc.	12%	14%	9%	15%	10%

[1] Admit all who wish to attend without review of conventional academic qualifications, or admit any high-school graduate or equivalent.
[2] Admit a majority of applicants who meet some specified level of academic achievement or other qualification beyond high-school graduation.
[3] Admit only a limited nuimber of those applicants who meet specified level of academic achievement or other qualifications beyond high school graduation.

SOURCE: AMERICAN ASSOCIATON OF COLLEGIATE REGISTRARS AND ADMISSIONS OFFICERS AND THE COLLEGE BOARD.

The 100 Oldest U.S. Institutions

Rank	Institution	Established	Affiliation
1.	Harvard U.	1636	Independent
2.	College of William and Mary	1693	State
3.	Yale U.	1701	Independent
4.	U. of Pennsylvania	1740	Independent
5.	Moravian College	1742	Moravian Church
6.	Princeton U.	1746	Independent
7.	Washington and Lee U.	1749	Independent
8.	Columbia U. Main Division	1754	Independent
9.	Brown U.	1764	Independent
10.	Rutgers U., New Brunswick campus	1766	State
11.	Dartmouth College	1769	Independent
12.	College of Charleston (S. C.)	1770	State
13.	Salem College (N. C.)	1772	Moravian Church
14.	Dickinson College	1773	Independent
15.	Hampden-Sydney College	1776	Presbyterian, U.S.
16.	Transylvania U.	1780	Independent
17.	Washington and Jefferson College	1780	Independent
18.	Washington College (Md.)	1782	Independent
19.	Saint John's College Main Campus (Md.)	1784	Independent
19.	Becker Junior College Leicester	1784	Independent
19.	New Brunswick Theological Seminary	1784	Reformed Church in America
19.	U. of the State of New York Regents External Degree Program	1784	State
23.	U. of Georgia	1785	State
24.	Louisburg College	1787	United Methodist
24.	Franklin and Marshall College	1787	Independent
26.	U. of Pittsburgh Main Campus	1787	State-related
27.	Georgetown U.	1789	Roman Catholic
27.	U. of North Carolina at Chapel Hill	1789	State
29.	Saint Mary's Seminary and U. (Md.)	1791	Roman Catholic
30.	U. of Vermont and State Agricultural College	1791	State
31.	Williams College	1793	Independent
32.	Pittsburgh Theological Seminary	1794	United Presbyterian, U. S. A.
33.	U. of Tennessee at Knoxville	1794	State
34.	Bowdoin College	1794	Independent
35.	Tusculum College	1794	United Presbyterian, U. S. A.
36.	Union College (N. Y.)	1795	Independent
37.	U. of Louisville	1798	State
38.	Middlebury College	1800	Independent
39.	Vincennes U.	1801	State
39.	U. of South Carolina at Columbia	1801	State
41.	United States Military Academy	1802	Federal
42.	Bradford College	1803	Independent
43.	Ohio U. Main Campus	1804	State
44.	U. of Maryland Baltimore Professional Schools	1807	State
45.	Andover Newton Theological School	1807	Independent
46.	Mount Saint Mary's College (Md.)	1808	Roman Catholic
47.	Miami U. Main Campus (Ohio)	1809	State
48.	Reformed Presbyterian Theological Seminary	1810	Reformed Presbyterian
49.	Lycoming College	1812	United Methodist
50.	Princeton Theological Seminary	1812	United Presbyterian, U. S. A.

When more than one college was founded in the same year, priority was determined by the month established (if provided).

Rank	Institution	Established	Affiliation
51.	Hamilton College	1812	Independent
51.	Union Theological Seminary in Virginia	1812	Presbyterian, U. S.
53.	Colby College (Me.)	1813	Independent
54.	Spalding College	1814	Independent
55.	Bangor Theological Seminary	1814	United Church of Christ
56.	Allegheny College	1815	Independent
57.	State U. of New York College at Potsdam	1816	State
58.	General Theological Seminary	1817	Protestant Episcopal
58.	U. of Michigan, Ann Arbor	1817	State
58.	Colgate Theological Seminary-Bexley Hall-Crozer Theological Seminary	1817	Independent
61.	Saint Louis U. Main Campus	1818	Roman Catholic
61.	Saint Mary's Seminary and College (Mo.)	1818	Roman Catholic
63.	U. of Cincinnati Main Campus	1819	State
63.	U. of Cincinnati Raymond Walters College	1819	State
63.	U. of Cincinnati Clermont General and Technical College	1819	State and Local
66.	Colgate U.	1819	Independent
67.	Norwich U. Main Campus	1819	Independent
68.	Centre College of Kentucky	1819	Independent
68.	Maryville College (Tenn.)	1819	United Presbyterian, U. S. A.
68.	U. of Virginia Main Campus	1819	State
71.	Indiana U. Bloomington	1820	State
72.	George Washington U.	1821	Independent
72.	Philadelphia College of Pharmacy and Science	1821	Independent
74.	Amherst College	1821	Independent
75.	Widener College	1821	Independent
76.	Hobart-William Smith Colleges	1822	Independent
77.	Athens State College	1822	State
78.	Trinity College (Conn.)	1823	Independent
79.	Massachusetts College of Pharmacy	1823	Independent
80.	Protestant Episcopal Theological Seminary in Virginia	1823	Protestant Episcopal
81.	Rensselaer Polytechnic Institute	1824	Independent
82.	Cazenovia College	1824	Independent
82.	Kenyon College	1824	Independent
84.	Thomas Jefferson U.	1824	Independent
84.	Medical U. of South Carolina	1824	State
86.	Centenary College of Louisiana	1825	United Methodist
86.	Lancaster Theological Seminary (Pa.)	1825	United Church of Christ
86.	Union U. (Tenn.)	1825	Southern Baptist
89.	Maryland Institute College of Art	1826	Independent
90.	Case Western Reserve U.	1826	Independent
91.	Lafayette College (Pa.)	1826	Presbyterian, U. S.
92.	Mississippi College	1826	Southern Baptist
92.	Lutheran Theo. Sem. at Gettysburg	1826	Lutheran Church in America
92.	Furman U.	1826	Southern Baptist
95.	Hanover College	1827	United Presbyterian, U. S. A.
96.	The Lindenwood Colleges	1827	Independent
97.	McKendree College	1828	United Methodist
98.	Columbia Theological Seminary	1828	Presbyterian, U. S.
99.	State U. of New York College at New Paltz	1828	State
100.	Medical College of Georgia	1828	State

SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS

More than half of the 100 oldest institutions were established between 1812 and 1828.
27 are public, 43 are independent, and 30 are affiliated with religious organizations. Four are men's, two are women's, six are two-year institutions.

Top Institutional Winners 1976-1980

Council for Advancement and Support of Education Recognition Awards and the USSteel Awards

Awards in the CASE Recognition Program for "advancement" activities (fund-raising, alumni activities, public information, electronic and print media, publications, government relations) and the USSteel awards for Improvement or Sustained Excellence in programs for financial support during the half-decade 1976-80.

Institution	Total Awards	CASE Grand Awards	USSteel Sustained Excellence	USSteel Grand Awards
Brown University (RI)	86	14		
Brigham Young U (UT)	67	1		
University of Michigan	66	4	1	2
MIT (MA)	44	3		
University of Pennsylvania	41	2		
Syracuse University (NY)	39	2		
University of Notre Dame (IN)	37	3		
Univ of California/Berkeley	35	6	1	
Cornell University (NY)	33	1		
Ohio State University	32	3		
Emory University (GA)	28	1		
Pennsylvania State University	29	3		
Johns Hopkins University (MD)	25	2		
Lewis & Clark College (OR)	24	5		
Lehigh University (PA)	23			
Rochester Inst of Tech (NY)	22	2		
Boston University (MA)	20			
Univ of California/Los Angeles	19	3		
Virginia Commonwealth Univ	19			
University of Alabama	18			
Pratt Institute (NY)	16			
Agnes Scott College (GA)	15			

Fewer than 15 total awards, but winners of Grand Awards

Institution	CASE Grand Awards	USSteel Sustained Excellence	USSteel Grand Awards
Ashland College (OH)	1		
Augustana College (SD)	1		
Bethany College (WV)	1		
Brock University (CAN)	1	2	
California Inst of Tech		2	
Univ of California/Irvine	2		
Univ of California/Santa Cruz	1		
Carnegie-Mellon University (PA)	1		
Chicago College of Osteopathy (IL)	1		
University of Cincinnati (OH)	1		
Clemson University (SC)	2		
Dartmouth College (NH)		5	
Earlham College (IN)	2		
Eastern Michigan University	1		
Ferrum College (VA)	1		
State Univ System of Florida	2		
Gustavus Adolphus College (MN)		4	
Harvard Law (MA)		1	
Hollins College (VA)	2		1
Indiana University	2		
IU/Purdue University/Indianapolis	1		
University of Iowa	1		
University of Kansas		1	
Lincoln University (PA)	1		
University of Minnesota	1		
Mount Holyoke College (MA)	1		
New York University	1		
State U of New York/Buffalo	1		
University of North Carolina	1		
Northwestern University (IL)	1		
Phillips University (OK)	1		
University of Rhode Island	1		
St. John's University (MN)	1		
St. Mary's College (MD)	1		
San Diego Community College (CA)	1		
Sienna College (NY)		1	
Simmons College (MA)	1		
University of Southern California	1		
Stanford University (CA)			1
Southeastern Massachusetts Univ	1		
Temple University (PA)	1		
Univ of Texas Health Science Ctr/ Dallas	1		

Institution	CASE Grand Awards	USSteel Sustained Excellence	USSteel Grand Awards
Tufts University (MA)	1		
University of Utah	1	1	
Vanderbilt University (TN)		1	
Wake Forest University (NC)	1		
Wheaton College (MA)	1		
Whitman College (WA)	2		
Williams College (MA)	1		1
University of Wisconsin	1		
Worcester Inst of Tech (MA)		1	
Yale University (CT)	1		

1981 CASE Institutional Awards

CASE, the Council for the Advancement and Support of Education, a national organization with more than 2,000 institutional members, annually makes awards in an achievement competition for institutional efforts in the related fields of public relations, publications, fund raising, and alumni relations—the advancement and support functions for the institution.

(G) Grand Award
(E) Exceptional Achievement Award
(C) Citation Award
(S) Special Merit Award

Agnes Scott College (GA)
Publications Program Improvement (C)
Visual Design: Calendars (C)(S)
Visual Design: Covers (C)(S)
Visual Design: Complete publications (S)
Designer of the Year (E)

Allegheny College (PA)
Publications Program Improvement (C)

Allendale Columbia School (NY)
Independent Secondary School Periodicals (E)

American College Testing Program (IA)
Visual Design: Complete publications (C)

The American University (DC)
Research Publications (S)
External Newsletters (S)
Periodicals Program Improvement (E)

Amherst College(MA)
Total Financial Support Program (C)

Aquinas College (MI)
Student Recruitment Communications (E)

Art Center College of Design (CA)
Publications: Catalogs (recruitment) (E)
Publications: Catalogs (exhibition) (C)
Visual Design: Posters (C)

Babson College (MA)
Publications: Student recruitment (S)

Berea College (KY)
Improvement in Alumni Relations Program (E)

Boston College (MA)
Magazine Publishing Program (C)

Boston University (MA)
Total Publications Program (E)
Special Program Publications (C)
Publications: Student recruitment (S)
Publications: Catalogs (recruitment) (S)(C)
Magazine Publishing Program (E)
Top Ten Magazine
External Tabloids (E)
Internal Tabloids (E)
Visual Design: Calendars (E)

Breck School (MN)
Periodicals Program Improvement (C)

Brenau College (GA)
Publications: Fund raising booklets (C)

Brigham Young University (UT)
Publications: Student recruitment (S)(S)

Brown University (RI)
General Excellence in Programs (E)
Alumni Continuing Education Program (E)
Electronic Media: Slide shows (G)
Publications: Other publications (E)
Magazine Publishing Program (C)
Internal Tabloids (C)
External Newsletters (E)
Individual Photographs (C)(C)(C)
Visual Design: Complete publications (E)(C)
Visual Design: Posters (C)

Bucknell University (PA)
Special Constituency Giving Program (E)

Carleton College (MN)
Student Recruitment Communications (C)

Carnegie-Mellon University (PA)
Special Events (C)
Periodicals Program Improvement (C)

Case Western Reserve University (OH)
Special Constituency Giving Program (E)

Catherine McAuley Health Center (MI)
Publications: Fund raising booklets (C)

Centenary College of Louisiana
Improvement in Public Relations Program (E)

Centre College of Kentucky
General Improvement in Progams (C)
Total Financial Support Program (C)
Improvement in Financial Support (G)

Choate Rosemary Hall (CT)
Independent Secondary School Publications (C)

Clackamas Community College (OR)
Electronic Media: Slide shows (C)

Clemson University (SC)
Electronic Media: Video (C)
Excellence in Public Information (E)

Cleveland Institute of Art (OH)
Publications: Viewbooks (C)

College of DuPage (IL)
Electronic Media: Radio (C)
Internal Tabloids (C)
Periodicals Program Improvement (E)
Special Judges' Award

College of New Rochelle (NY)
Writing for a Single Publication (E)

The College of St. Catherine (MN)
Special Events (S)

The Collegiate Schools (VA)
Direct Mail (G)
Direct Mail for Financial Support(E)

Colorado State University
Periodicals Program Improvement (C)

Columbia University (NY)
Magazine Publishing Program (E)

Community College of Rhode Island
Special Events (S)

institutional data

Concordia University (Quebec)
Visual Design: Promotional flyers (C)

Connecticut College
Direct Mail Promotion for Events (C)
Total Publications Program (E)
Special Program Publications (E)
Publications: Events publications (E)
Publications: Student recruitment (C)
Magazine Publishing Program (C)
Visual Design: Covers (E)
Visual Design: Complete publications (S)
Visual Design: Promotional flyers (S)
Visual Design: Posters (C)
Visual Design Other printed pieces (C)
Designer of the Year (E)

Cornell University (NY)
General Excellence in Programs (G)
Total Financial Support Program (G)
Volunteer Publications (E)
Total Publications Program (C)
Publications: Annual reports (E)
Publications: Student recruitment (S)(S)
Publications: Other publications (S)(S)
Publications: Catalogs (exhibit) (C)
Magazine Publishing Program (E)(E)
Top Ten Magazines (2)
Magazine Special Issues (C)
Public Affairs Content in Periodicals (C)
External Newsletters (E)
Writing for a Single Publication (E)(C)
Visual Design: Complete publications (S)
Designer of the Year (C)

Cranbrook Educational Community (MI)
Visual Design: Posters (E)

Creighton University (NE)
Electonic Media: Slide shows (C)

Crystal Springs & Uplands Schools (CA)
Improvement in Financial Support Programs (C)

Culver Military Academy/Culver Girls Academy (IN)
Independent Secondary School Periodicals (G)
Excellence in Periodical Writing (E)

Dartmouth College (NH)
Alumni Continuing Education Program (E)
Direct Mail for Financial Support (C)
Visual Design Series (C)
Designer of the Year (C)

Drake University (IA)
Other Public Relations Projects (C)
Alumni Events Programs (S)
Electronic Media: Multi-media programs (C)

Drew University (NJ)
Student Recruitment Communications (E)
Publications: Viewbooks (C)(C)
Individual Photographs (C)(C)
Visual Design: Covers (C)
Designer of the Year (E)

Drexel University (PA)
Student Recruitment Communications (S)
External Tabloids (C)
Individual Photographs (C)(C)

Duquesne University (PA)
Writing for a Single Publication (E)

East-West Center (HI)
Magazine Publishing Program (E)
Top Ten Magazine
Public Affairs Content in Periodicals (E)
Visual Design: Illustrations (S)

Elizabethtown College (PA)
Periodicals Program Improvement (C)

Emory University (GA)
Publications: Student handbooks (S)
Publications: Student recruitment (C)(C)
Visual Design: Promotional flyers (C)
Visual Design Series (S)(S)

Eureka College (IL)
Publications: Viewbooks (S)

Fashion Institute of Technology (NY)
Publications: Viewbooks (E)

Florida International University
Specialized Magazines (E)

Florida State University
Electronic Media: Video (C)
Publications: Fund raising booklets (C)
Publications: Fund raising brochures (S)

Furman University (SC)
Publications: Catalogs (recruitment) (C)

George School (PA)
Independent Secondary School Periodicals (C)

George Washington University (DC)
Electronic Media: Slide shows (E)
External Tabloids (E)
Excellence in Periodical Writing (C)
Student Photography (S)
Visual Design: Covers (E)

Georgetown University (DC)
Improvement of Public Relations Program (G)
Electronic Media: Video (S)
Publications: Directories (S)
Publications: Student recruitment (S)
Publications: Other publications (S)

Georgetown—Continued
Visual Design: Covers (C)
Visual Design: Complete publications (S)
Photographic Essays (S)

Georgia Institute of Technology
Direct Mail Promotion for Membership (C)
Publications: Fund raising folders (S)
Periodicals Program Improvement (E)

Georgia State University
Electronic Media: Video (E)

Graceland College (IA)
Volunteer Publications (C)

Harvard University (MA)
Electronic Media: Film (E)
Research Communications (G)
Magazine Publishing Program (E)
Top Ten Magazine
Magazine Publishing Program (JFK Sch of Govt) (E)
Public Affairs Content in Periodicals (E)(C)
Excellence in Periodical Writing (G)
Visual Design: Covers (E)

Hawaii Preparatory Academy
Periodicals Program Improvement (C)

Hawken School (OH)
Independent Secondary School Periodicals (C)

Hobart & William Smith Colleges (NY)
Improvement in Public Relations Program (C)
Direct Mail Promotion for Membership (C)
External Tabloids (C)

Hollins College (VA)
Electronic Media: Slide shows (C)
Student Recruitment Communications (G)
Total Publications Program (E)
Visual Design: Covers (C)

The Hotchkiss School (CT)
Total Financial Support Program (E)
Special Constituency Giving Program (C)

Howard University (DC)
Excellence in Periodical Writing (C)

Illinois Institute of Technology
Writing for a Single Publication (C)

Illinois State University
Electronic Media: Video (C)

Indiana University
Publications: Other publications (S)
Visual Design: Posters (S)

Indiana University Alumni Association
Student Relations Program (C)
Total Alumni Relations Program (C)

Indiana University Foundation
Volunteer Involvement Program (C)
Direct Mail Promotion for Events (E)

Indiana University-Purdue University at Indianapolis
Improvement in Public Relations Programs (C)
Publications: Student handbooks (S)

Iowa State University
Total Publications Program (C)
Publications: Student recruitment (E)

Johns Hopkins University (MD)
General Excellence in Programs (S)
Excellence in News Writing (G)(E)
News and Information Programs (E)
Publications: Fund raising booklets (C)
Publications: Annual reports (C)
Public Affairs Content in Periodicals (G)
Research Coverage for News Media (E)
Research Coverage in Institutional Periodicals (E)
Direct Mail Promotion for Events (C)
Magazine Publishing Program (E)
Top Ten Magazine
External Newsletters (E)
Periodicals Program Improvement (E)
Excellence in Periodical Writing (E)
Writing for a Single Publication (C)
Photographic Essays (C)

Kansas City Art Institute (MO)
Publications: Catalogs (recruitment) (S)
Individual Photographs (C)

Kansas State University
Internal Relations Program (E)
Improvement in Public Relations Program (E)
Improvement in Alumni Relations Program (E)
Publications: Viewbooks (S)

Kent State University (OH)
Electronic Media: Video (C)
Publications: Events publications (S)

Kentucky Country Day School
Independent Secondary School Periodicals (S)

Kenyon College (OH)
Excellence in Public Information (S)

Lehigh University (PA)
Total Financial Support Program (C)
Volunteer Involvement Program (C)

Lehigh—Continued
Student Recruitment Communications (S)
Total Publications Program (C)
Publications: Viewbooks (S)
Visual Design: Posters (S)
Designer of the Year (C)
Individual Photographs (E)

Lesley College (MA)
General Improvement in Programs (S)

Lewis & Clark College (OR)
Total Publications Program (E)
Publications: Annual reports (C)
Publications: Catalogs (recruitment) (E)
External Newsletters (E)
Visual Design: Complete publications (C)
Visual Design Series (C)
Designer of the Year (E)

Linfield College (OR)
Publications: Catalogs (recruitment) (S)
Periodicals Program Improvement (E)

Louisiana State University
Special Events (C)
Electronic Media: Video (C)

Loyola College in Maryland
Improvement of Volunteer Program (E)

Lynchburg College (VA)
Excellence in Public Information (S)

Macalester College (MN)
Publications: Student recruitment (S)(S)
Writing for a Single Publication (E)
Visual Design: Complete publications (C)
Visual Design: Promotional flyers (S)

Manlius Pebble Hill School (NY)
Independent Secondary School Publications (S)

Marquette University (WI)
Publications: Fund raising booklets (C)
Publications: Annual reports (C)

McMaster University (Ontario)
Alumni Service to Institution (E)

Medical College of Georgia
Electronic Media: Radio (C)

Medical University of South Carolina
Periodicals Program Improvement (C)

Memphis State University (TN)
Improvement in Alumni Relations Program (C)

Mercy College of Detroit (MI)
Publications Program Improvement (G)

Merrimack College (MA)
Publications: Viewbooks (S)

Michigan State University
Publications: Catalogs (exhibition) (C)
Magazine Publishing Program (C)
Public Affairs Content in Periodicals (E)

Mills College (CA)
Student Recruitment Communications (E)
Total Publications Program (E)
Publications: Student recruitment (E)(E)
Publications: Viewbooks (E)
Publications Program Improvement (E)
Designer of the Year (G)

Miss Porter's School (CT)
Independent Secondary School Periodicals (E)

Morgan State University (MD)
Periodicals Program Improvement (E)

Mount Holyoke College (MA)
Magazine Special Issues (E)

Nazareth College of Rochester (NY)
External Newsletters (E)
Publications Program Improvement (S)

New Hampshire College
Visual Design: Complete publications (S)

New Mexico Junior College
Visual Design: Covers (S)

New York University
Visual Design: Covers (E)
Visual Design: Posters (S)

The Nichols School (NY)
Independent Secondary School Publications (E)

North Texas State University
Special Events (E)

Northern Illinois University
Publications: Catalogs (exhibition) (S)

Northwestern University (IL)
Total Alumni Relations Program (C)
Alumni Continuing Education Program (C)
Alumni Events Program (E)
Improvement in Financial Support Program (E)(C)
Improvement of Volunteer Program (C)
Direct Mail for Financial Support (C)

Occidental College (CA)
Publications: Viewbooks (S)

Odessa College (TX)
Electronic Media: Video (G)

Ohio State University
General Excellence in Program (C)
Special Events (E)
Electronic Media: Video (E)
Excellence in News Writing (E)
Research Coverage for the News Media (C)

OSU—Continued
Research Coverage in Institutional Periodicals (C)
Publications: Annual reports (S)
Publications: Student handbooks (S)
Publications: Other publications (C)(C)(S)
External Tabloids (E)
Internal Tabloids (C)
Internal Newsletters (S)

Ohio University
Total Alumni Relations Program (E)
Improvement in Alumni Relations Program (G)

Oregon College of Education
Public Relations Program (G)

Oregon State University
Electronic Media: Film (E)
Visual Design: Illustrations (S)

Pennsylvania State University
Other Public Relations Projects (S)
Excellence in News Writing (S)
News and Information Programs (C)
Publications: Other publications (C)
Publications: Catalogs (exhibition) (E)

Philadelphia College of Textiles and Science (PA)
Publications Program Improvement (C)

Phillips Academy (MA)
Independent Secondary School Periodicals (E)
Visual Design: Promotional flyers (C)

Pomona College (CA)
Writing for a Single Publication (S)

Portland School of Art (ME)
Publications: Events publications (E)
Publications: Catalogs (recruitment) (C)(S)

Pratt Institute (NY)
Student Recruitment Communications (E)
Special Program Publications (E)
Publications: Student recruitment (S)
Publications: Viewbooks (E)
External Tabloids (C)
Visual Design: Covers (E)(S)
Visual Design: Complete publications (E)(C)
Visual Design: Illustrations (E)
Visual Design: Posters (E)(S)
Visual Design Series (E)
Photographic Essays (E)(E)
Student Photography (E)

The Principia (MO)
Student Photography (C)

Queen's University (Ontario)
Research Publications (C)

Radcliffe College (MA)
Magazine Publishing Program (C)
Magazine Special Issues (E)
External Tabloids (C)

Radford University (VA)
Periodicals Program Improvement (G)

Rhode Island School of Design
Publications: Catalogs (recruitment) (E)
Visual Design: Complete publications (S)
Visual Design: Other printed pieces (E)
Designer of the Year (C)

Rice University (TX)
External Tabloids (E)
Periodicals Program Improvement (E)
Excellence in Periodical Writing (C)

Rider College (NJ)
Publications: Student recruitment (S)
Publications: Viewbooks (E)

Rochester Institute of Technology (NY)
General Improvement in Programs (C)
Internal Relations Programs (C)
Electronic Media: Film (C)
Magazine Publishing Program (E)
Top Ten Magazine
Visual Design: Covers (C)
Visual Design: Illustrations (C)

Rockhurst College (MO)
Publications: Events publications (C)
Publications: Catalogs (recruitment) (S)
Publications: Other publications (S)
Internal Newsletters (S)
Designer of the Year (E)

Rutgers, The State University of New Jersey
Excellence in News Writing (C)
Research Publications (C)
Publications: Catalogs (exhibition) (E)
Specialized Magazines (E)
Excellence in Periodical Writing (C)
Visual Design: Promotional flyers (S)

St. Louis Community College (MO)
Community Relations Programs (C)

St. Louis Priory & School (MO)
Visual Design: Complete publications (E)

Saint Mary's College (IN)
Writing for a Single Publication (C)

St. Mary's College of Maryland
Magazine Publishing Program (C)

Saint Meinrad Seminary (IN)
External Newsletters (C)

St. Norbert College (WI)
Periodicals Program Improvement (E)

Samford University (AL)
General Improvement in Programs (C)

San Diego Community College District (CA)
Publications: Annual reports (S)

Scripps College (CA)
Publications: Viewbooks (C)

Seattle Pacific University (WA)
News and Information Programs (E)
Excellence in Public Information (E)
Publications: Student recruitment (E)

Seton Hill College (PA)
Other Public Relations Projects (E)

Skidmore College (NY)
Publications: Catalogs (exhibition) (S)

Southern Illinois University (Carbondale)
Electronic Media: Video (S)

Southern Illinois University (Edwardsville)
Community Relations Programs (E)

Southern Methodist University (TX)
Writing for a Single Publication (C)

State University of New York/Albany
Publications: Student recruitment (E)
Periodicals Program Improvement (C)
Publications Program Improvement (S)
Visual Design: Promotional flyers (S)

State University of New York/Binghamton
Periodicals Program Improvement (E)

State University of New York/Central Administration
Community Relations Program (C)

State University of New York/Downstate Medical Center
Magazine Special Issues (C)

Stetson University (FL)
Special Events (C)

Swarthmore College (PA)
Magazine Special Issues (E)
Public Affairs Content in Periodicals (C)
External Newsletters (C)

Sweet Briar College (VA)
Publications: Viewbooks (C)
External Newsletters (C)

Syracuse University (NY)
Other Public Relations Projects (C)
Publications: Catalogs (recruitment) (C)
Writing for a Single Publication (E)
Visual Design: Illustrations (E)(C)

Temple University (PA)
Other Public Relations Projects (C)
Public Affairs Content in Periodicals (E)

Texas Tech University
Electronic Media: Multi-media programs (E)

Towson State University (MD)
Internal Relations Programs (S)
Improvement in Alumni Relations Programs (S)
Visual Design: Covers (S)

Transylvania University (KY)
Special Events (C)
Improvement in Financial Support Program (E)

Trinity College (CT)
Publications: Student recruitment (S)

Trinity University (TX)
Publications: Other publications (S)

Tulane University (LA)
Alumni Events Program (C)
Writing for a Single Publication (E)

Union College (NY)
Electronic Media: Film (G)

University of Akron (OH)
Community Relations Program (S)
Publications: Fund raising folders (C)
Writing for a Single Publication (C)

University of Alabama
Electronic Media: Multi-media programs (S)
Excellence in News Writing (E)
Magazine Special Issues (C)

University of Alabama/Birmingham
Publications: Other publications (C)

University of Arizona
Magazine Special Issues (E)

University of Baltimore (MD)
Improvement in Financial Support Program (C)

University of British Columbia
Electronic Media: Film (S)

University of California/Berkeley
Publications: Fund raising booklets (S)
Publications Program Improvement (E)
Visual Design: Complete publications (C)
Visual Design: Posters (E)(C)(S)
Visual Design: Other printed pieces (C)(C)
Visual Design Series (S)

University of California/Berkeley: California Alumni Association
Magazine Publishing Program (E)
Excellence in Periodical Writing (E)
Individual Photographs (E)(C)(C)
Designer of the Year (C)

University of California/Irvine
Publications Program Improvement (E)

Cal/Irvine—Continued
Visual Design: Posters (E)(S)
Visual Design Series (C)
Designer of the Year (E)

University of California/Los Angeles
Student Relations Program (E)
Specialized Magazines (S)(S)
External Tabloids (C)
Excellence in Periodical Writing (C)

University of California/Riverside
Publications: Student recruitment (C)
External Tabloids (E)

University of California/San Francisco
Publications: Catalogs (recruitment) (S)
Magazine Publishing Program (E)
Internal Newsletters (E)
Excellence in Periodical Writing (E)

University of Chicago (IL)
Total Financial Support Program (E)
Direct Mail for Financial Support (C)
Publications: Student recruitment (S)
Publications: Other publications (C)
Visual Design: Complete publications (C)
Visual Design: Other printed pieces (C)
Individual Photographs (S)(S)

University of Cincinnati (OH)
Electronic Media: Slide shows (S)(S)
Excellence in News Writing (C)

University of Delaware
Electronic Media: Radio (C)
Research Publications (C)

University of Denver (CO)
Publications: Catalogs (recruitment) (C)
Publications: Other publications (S)

University of Florida
Electronic Media: Video (E)

University of Guelph (Ontario)
Excellence in Periodical Writing (E)

University of Hartford (CT)
Improvement in Financial Support Program (C)

University of Idaho
Excellence in Public Information (E)

University of Illinois Alumni Association
Total Alumni Relations Program (G)(E)
Alumni Continuing Education Program (C)
Alumni Service to Institution Program (C)
Electronic Media: Multi-media programs (C)

University of Iowa
General Excellence in Programs (S)
Total Financial Support Program (E)
Volunteer Publications (E)

Iowa—Continued
Direct Mail Promotion for Events (C)
Total Publications Program (G)
Special Program Publications (E)
Publications: Fund raising booklets (E)
Publications: Fund raising folders (S)
External Newsletters (G)(S)
Visual Design: Complete publications (S)

University of Kansas
Magazine Publishing Program (C)
External Tabloids (C)
Photographic Essays (C)(S)(S)

University of Kentucky
Periodicals Program Improvement (E)

University of Louisville (KY)
Internal Tabloids (E)

University of Maryland
Electronic Media: Video (C)
Direct Mail for Financial Support (C)
Internal Newsletters (C)
Photographic Essays (E)

University of Maryland/Baltimore
Other Public Relations Projects (E)
News and Information Program (E)
Excellence in Public Information (E)

University of Maryland/Central Administration
Electronic Media: Multi-media programs (S)
External Tabloids (E)

University of Massachusetts/Amherst
Special Program Publications (E)
External Tabloids (E)
Excellence in Periodical Writing (E)(S)
Individual Photographs (E)(E)(C)(C)(S)(S)(S)

University of Miami (FL)
Alumni Continuing Education Program (C)
Volunteer Involvement Program (E)

University of Michigan
General Excellence in Programs (E)
Community Relations Programs (C)
Alumni Service to Institution Program (E)
Improvement in Financial Support Program (C)
Volunteer Involvement Program (E)
Improvement in Volunteer Program (C)
Excellence in News Writing (C)
Research Publications (E)
Publications: Events publications (S)
Internal Tabloids (C)
Visual Design: Complete publications (C)

University of Missouri/Columbia
Individual Photographs (E)(C)(C)

institutional data

University of Nebraska/Lincoln
Total Alumni Relations Program (C)
Direct Mail Promotion for Membership (C)

University of Nevada/Las Vegas
External Tabloids (C)

University of Nevada/Reno
Special Events (E)

University of New Hampshire
Special Program Publications (C)
Publications: Fund raising booklets (E)
Publications: Catalogs (exhibition) (C)
Visual Design: Promotional flyers (C)

University of New Mexico
General Improvement in Programs (G)
Improvement in Public Relations Program (E)

University of North Carolina
Electronic Media: Radio (S)
News and Information Program (S)
Research Coverage for News Media (S)

University of Northern Iowa
Visual Design: Posters (C)

University of Notre Dame (IN)
Direct Mail for Financial Support (C)
Special Program Publications (E)
Publications: Other publications (C)
Magazine Publishing Program (E)
Top Ten Magazine
Public Affairs Content in Periodicals (E)
Visual Design: Complete publications (C)
Visual Design: Illustrations (S)

University of Oklahoma
Internal Newsletters (E)

University of Oregon
Electronic Media: Radio (E)
Magazine Publishing Program (E)

University of Pennsylvania
Alumni Events Program (C)
Publications: Events publications (C)
Publications: Student handbooks (S)
Magazine Publishing Program (G)(E)
Top Ten Magazine
The Robert Sibley Award 1981

University of Rhode Island
Electronic Media: Film (S)
Electronic Media: Radio (G)(E)(E)(E)
Publications: Viewbooks (C)
Publications: Other publications (C)

Rhode Island—Continued
Visual Design: Covers (E)
Visual Design: Complete publications (E)
Visual Design: Posters (S)
Visual Design Series (E)(S)

University of Richmond (VA)
Magazine Publishing Program (S)

University of San Francisco (CA)
Special Events (E)

University of Santa Clara (CA)
Writing for a Single Publication (E)

University of South Florida
Electronic Media: Radio (E)
Excellence in Public Information (E)
Publications Program Improvement (E)

University of Southern California
Excellence in News Writing (***E***)
News and Information Programs (E)
Student Recruitment Communications (S)
Tabloid Publishing (G)(E)
Internal Newsletters (C)

University of Tennessee
Direct Mail Promotion of Events (C)
Magazine Publishing Program (C)

University of Texas/Austin
Electronic Media: Video (E)
Excellence in News Writing (S)

University of Texas Health Science Center/Dallas
Excellence in News Writing (S)
Excellence in Public Information (G)
Research Coverage for the News Media (E)
Publications: Catalogs (recruitment) (S)
Writing for a Single Publication (E)

University of Toronto (Ontario)
Alumni Service to Institution Program (C)
Volunteer Involvement Program (G)
Magazine Publishing Program (E)
Top Ten Magazine

University of Wisconsin/Madison
Other Public Relations Projects (E)
News and Information Programs (C)
Publications: Annual reports (S)

University of Wisconsin/Superior
Electronic Media: Radio (C)
Publications Program Improvement (E)

Virginia Commonwealth University
Research Publications (E)

VCU—Continued
Total Publications Program (E)
Magazine Publishing Program (E)

Wagner College (NY)
Publications: Viewbooks (S)

Wayne State University (MI)
Total Alumni Relations Program (E)
Alumni Events Program (E)
Volunteer Involvement Program (E)
Excellence in Public Information (E)
Publications: Fund raising booklets (C)
Visual Design: Specialty pieces (C)

Western Illinois University
Improvement in Financial Support Program (C)

Western Kentucky University
Direct Mail for Membership (E)

Wheaton College (MA)
Special Events (E)

Wheelock College (MA)
Periodicals Program Improvement (C)

Whitman College (WA)
News and Information Program (C)

Winona State University (MN)
Individual Photographs (E)

Wittenberg University (OH)
Excellence in Public Information (E)

Worcester Polytechnic Institute (MA)
Special Events (E)
Alumni Events Program (C)
Special Constituency Giving Program (C)
Direct Mail for Financial Support (C)

Yale University (CT)
External Tabloids (C)

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National Science Foundation
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Bachelor's Degrees in Engineering

Engineering specialty	Actual 1969	Actual 1979	Projected 1985	Projected 1990
Aerospace	2,625	1,386	2,800	2,500
Agricultural	435	721	900	700
Chemical [1]	3,542	5,568	8,600	7,700
Civil	5,888	9,809	12,100	10,500
Electrical	11,600	12,338	15,500	13,700
Environmental	44	309	500	500
General	1,629	4,110	4,300	3,900
Industrial	2,958	2,785	4,500	3,900
Mechanical	8,464	10,107	15,900	14,300
Materials [2]	908	1,021	1,500	1,300
Mining [3]	172	600	1,000	1,000
Nuclear	170	545	600	600
Petroleum	211	787	1,300	1,200
Miscellaneous	2,592	2,935	3,900	3,300
Total	41,248	53,021	73,400	65,100

[1] Includes petroleum refining engineering.
[2] Includes ceramics and metallurgical engineering.
[3] Includes mineral engineering.

SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS

Engineering Programs Ranked by Achievements of Graduates

All Engineering

Rank	Citations [1]
1. Harvard U [2]	73.9
2. Yale U	44.6
3. Columbia U	28.6
4. Cal. Inst. of Tech.	25.0
5. Princeton U	24.5
6. Mass. Inst. of Tech. [2]	24.0
7. Ohio State U.	16.7
8. U. of Illinois, Urbana	16.6
9. U. of Cal., Berkeley	15.9
10. U. of Pennsylvania	15.4
11. U. of Colorado	15.1
12. Syracuse U.	14.8
13. U. of Michigan	14.3
14. Carnegie-Mellon U.	14.3
15. U. of Wisconsin, Madison	13.1
16. Stanford U.	12.4
17. Iowa State U.	12.1
18. U. of Iowa	10.9
19. Lehigh U.	10.7
20. Northwestern U.	10.7
21. Washington U.	10.6
22. U. of Pittsburgh	10.1
23. U. of Rochester	9.9
24. U. of Texas	9.9
25. U. of Kansas	9.7
26. Ill. Inst. of Tech. [2]	9.7
27. Purdue U.	9.3
28. U. of Minnesota	9.3
29. U. of Nebraska	9.2
30. Stevens Inst. of Tech.	9.0
31. Penn. State U.	8.9
32. Cornell U.	8.8
33. Tulane U.	8.8
34. Case Western Res.	8.7
35. Brown U.	8.5
36. Michigan State U.	8.4
37. Oregon State U.	8.4
38. Rensselaer Poly. Inst.	8.0
39. U. S. Naval Academy	8.0
40. Kansas State U.	7.9
41. U. of Cincinnati	7.8
42. U. of Washington	7.7
43. Louisiana State U.	7.0
44. U. of Notre Dame	6.7
45. Rice U.	6.4
46. U. of Southern Cal.	6.2
47. Virginia Poly. Inst.	6.1
48. Texas A&M U.	6.0
49. Oklahoma State U.	6.0
50. Drexel U.	6.0

[1] Citations in Who's Who in Engineering, per 1,000 living alumni.
[2] Based on estimated number of living alumni.

Engineering Departments (Continued)

Overall rank [3]	Chemical Engineering						Civil Engineering					
	Undergraduate		Master's		Doctorate		Undergraduate		Master's		Doctorate	
	Citations	Rank	Citations	Rank	Citations	Rank	Citations	Rank	Citations	Rank	Citations	Rank
1. Mass. Institute of Technology	25	5	30	6	125	2	19	1	20	5	34	11
2. U. of California, Berkeley	5	18	7	16	26	17	18	2	10	13	23	12
3. Stanford U.	7	16	6	17	0	18	6	13	6	16	14	15
4. Harvard U.	—	—	—	—	—	—	—	—	—	—	—	—
5. U. of Illinois, Urbana	27	2	27	9	88	7	11	6	26	4	86	3
6. U. of Michigan, Ann Arbor	20	6	67	1	160	1	6	14	13	12	69	5
7. California Inst. of Technology	41	1	45	4	34	15	—	—	49	1	90	2
8. Ohio State U.	18	8	50	2	94	6	12	5	6	17	10	16
9. Purdue U.	12	11	17	12	74	8	8	10	8	15	55	6
10. Columbia U.	27	3	28	8	96	5	16	4	40	2	112	1
11. U. of Pennsylvania	26	4	12	13	41	14	4	16	0	18	23	13
12. Carnegie-Mellon U.	7	15	42	5	57	11	8	11	17	6	49	8
13. U. of Wisconsin, Madison	6	17	18	11	61	10	6	15	14	9	43	9
14. Princeton U.	7	14	30	7	34	16	8	12	16	8	0	18
15. U. of Texas, Austin	14	9	47	3	63	9	10	8	13	11	18	14
16. Cornell U.	14	10	12	14	97	4	17	3	17	7	73	4
17. Northwestern U.	19	7	10	15	50	12	9	9	8	14	10	17
18. Yale U.	—	—	—	—	—	—	—	—	—	—	—	—
19. Case Western Reserve U.	10	12	23	10	106	3	4	17	38	3	40	10
20. Iowa State U.	8	13	3	18	49	13	10	7	14	10	53	7

Overall rank [3]	Electrical Engineering						Mechanical Engineering					
	Undergraduate		Master's		Doctorate		Undergraduate		Master's		Doctorate	
	Citations	Rank	Citations	Rank	Citations	Rank	Citations	Rank	Citations	Rank	Citations	Rank
1. Mass. Institute of Technology	10	5	21	2	63	5	14	5	19	11	68	6
2. U. of California, Berkeley	5	13	6	17	24	16	7	16	11	17	26	15
3. Stanford U.	17	3	11	12	49	7	12	7	9	18	38	11
4. Harvard U.	—	—	—	—	—	—	—	—	—	—	—	—
5. U. of Illinois, Urbana [4]	5	14	15	5	65	3	9	12	35	2	85	3
6. U. of Michigan, Ann Arbor	8	8	18	4	64	4	11	10	14	14	78	4
7. California Inst. of Technology	—	—	27	1	109	1	—	—	26	5	179	1
8. Ohio State U.	9	6	14	7	37	11	12	8	26	6	67	7
9. Purdue U.	5	12	7	15	32	15	8	14	24	9	67	8
10. Columbia U.	21	1	13	9	48	8	17	2	12	15	22	16
11. U. of Pennsylvania	18	2	11	11	53	6	14	6	20	10	14	18
12. Carnegie-Mellon U.	3	16	10	14	31	15	9	13	29	3	35	13
13. U. of Wisconsin, Madison	3	17	14	8	48	9	7	15	17	12	61	9
14. Princeton U.	7	10	0	18	7	18	11	9	16	13	30	14
15. U. of Texas, Austin	4	15	14	6	33	13	5	17	12	16	15	17
16. Cornell U.	10	4	7	16	70	2	17	1	26	8	76	5
17. Northwestern U.	7	9	13	10	35	12	15	3	26	7	48	10
18. Yale U.	—	—	—	—	—	—	—	—	—	—	—	—
19. Case Western Reserve U.	6	11	10	13	16	17	15	4	26	4	36	12
20. Iowa State U.	9	7	19	3	44	10	10	11	45	1	103	2

[3] Overall rank based on number of citations in *Who's Who in Engineering*, number of citations per 1,000 alumni, amount of engineering research funds, and amount of research funds per faculty member.

[4] Industrial engineering included in mechanical engineering.

— Indicates program not offered or statistically significant data not available.

[1] Citations in Who's Who in Engineering, per 1,000 living alumni.

[2] Based on estimated number of living alumni.

[3] Overall rank based on number of citations in *Who's Who in Engineering*, number of citations per 1,000 alumni, amount of engineering research funds, and amount of research funds per faculty member.

[4] Industrial engineering included in mechanical engineering.

— Indicates program not offered or statistically significant data not available.

SOURCE: DEAN DONALD D. GLOWER, COLLEGE OF ENGINEERING, OHIO STATE UNIVERSITY